

SCHOENMAN'S
BUTTER FAT
AND
DIVIDEND
CALCULATOR

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A BUTTER FAT AND DIVIDEND
CALCULATOR

FOR
OPERATORS AND SECRETARIES

OF
CREAMERIES AND CHEESE FACTORIES

✓ BY
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MADISON, WIS.
PUBLISHED BY THE AUTHOR
1895



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TRACY, GIBBS & Co., PRINTERS, MADISON, Wis.

PREFACE.

Since the invention of the Babcock Test, and the dividing of money according to the test, in butter and cheese factories, Secretaries have found it a great task to thus divide the money in the ordinary way of figuring. And believing that computation tables wherewith the work of calculating the butter fat of milk, and the money value of the same can be easily and quickly accomplished, would be hailed by the rank and file of factory operators and Secretaries of butter and cheese factories, we have for such arranged this *Butter Fat and Dividend Calculator*, and would kindly request that the instructions for using the various tables be thoroughly studied and well understood before attempting to use the tables. The author's further aim in arranging this little book was, to make it so plain and comprehensive as to be useful as a text-book in the various dairy schools where the Babcock Test system, and the dividing of the money under the system, is taught.

Part I gives instructions for using the various computating tables.

Part II illustrates, by example, how the money may be divided.

Part III is devoted to the various computating tables of the book, by the use of which dividends to factory patrons can be made very quickly and correctly.

THE AUTHOR.

Plain, Wis.

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INSTRUCTIONS FOR USING CALCULATING TABLE IN DETERMINING AMOUNT OF BUTTER FAT.

1. The calculated fat for 3.6% milk will be found on page 36, the page always corresponding to the test $\times 10$.
2. The left side of each page will show the calculated fat for the hundreds and thousands column of your figures, while the right side of the page is used to show the calculated fat for the units and tens column.
3. Suppose you wish to find the calculated fat for 2440 lbs. of milk which tests 3.8. First, cut off the two right hand figures (40). Then turn to page 38, and on the right half of the page find the number 40; to the right of which find 1.5 the calculated butter fat.
4. Next, on the left half of the same page, find the number 24, to the right of which find 91.2, the calculated fat, which place above the former amount, 1.5, and add; making 92.7 lbs. of butter fat.
5. When using this calculator, group your milk which tests alike together, to avoid turning over from one page to the other, unnecessarily. Thus: Suppose patrons A, E and H all test alike, say 3.4. Turn to page 34 and find the calculated butter fat of those three before you turn the leaf, and so on with all the other patrons, testing alike.
6. Many factory operators divide the month into four periods, and average the test by adding the four tests and then dividing by four. Thus—

A tests $3.8 + 4.0 + 3.6 + 3.5 = 14.9$, and $14.9 \div 4 = 3.725$, average test. You will notice that the 25 to the right of the 3.7 is not taken in the calculating table of this book, hence I will here insert a rule by which you can quickly calculate any such fractions.

7. By reading not closer than tenth (and no one testing full milk should read closer), you may get the following fractions smaller than tenths to figure separate: Either .05, .025 or .075, all of which are quickly figured, thus—

8. Rule: Point off three places from the right of any amount of milk, and divide by 2 to get the fat for .05. To get the fat for .025 divide by 4; for .075, divide by 4 and multiply by 3. Thus:

$$\begin{array}{r} \text{Milk.} \\ 2 | 2.540 \\ \hline 1.3 \text{ fat} \end{array} \quad \begin{array}{r} \text{Milk.} \\ 4 | 2.540 \\ \hline .6 \text{ fat} \end{array} \quad \begin{array}{r} \text{Milk.} \\ 4 | 2.540 \\ \hline .63 \times 3 = 1.9 \text{ fat.} \end{array}$$

Again, take 8,460 lbs of milk—

$$\begin{array}{r} \text{Milk.} \\ 2 | 8.460 \\ \hline 4.2 \text{ fat} \end{array} \quad \begin{array}{r} \text{Milk.} \\ 4 | 8.460 \\ \hline 2.1 \text{ fat} \end{array} \quad \begin{array}{r} \text{Milk.} \\ 4 | 8.460 \\ \hline 2.1 \times 3 = 6.3 \text{ fat.} \end{array}$$

In taking semi-monthly tests you get only .05, which can readily be calculated, mentally, by above rule.

9. Suppose you have 30 patrons, in a lot of 50, that have some of those extra fractions as indicated in rule under 8. With a little practice you can figure those extra fractions for 30 patrons and add their extra fat thus obtained to their other fat in less than 15 minutes' time.

10. Ten thousand pounds is the largest amount calculated in this book, but any amount you may have above may be readily calculated thus: Suppose you have 14,840 lbs. milk—test, 3.4—10,000 lbs. of 3.4 milk equals

340 lbs. of butter fat. Then find calculated fat for 4,840 lbs. milk, and add to the 340 lbs. obtained from the 10,000 lbs. You will observe that the butter fat for 10,000 lbs. milk, at any test, is easily calculated mentally.

Example: 10,000 lbs.—test, 3.6 = 360.

10,000 lbs.—test, 4.2 = 420.

10,000 lbs.—test, 3.9 = 390; etc.

Many factories make tests every ten days, which would make extra fractions, spoken of on previous page, either .033 or .066; which would be figured thus:

Example: Milk.

$$3 \mid \underline{2\ 360} \\ .8 \text{ fat}$$

Milk.

$$3 \mid \underline{2.360} \\ .8 \times \underline{2} = 1.6 \text{ fat.}$$

INSTRUCTIONS FOR USING THE MONEY CALCULATING TABLES.

1. Suppose the total amount of money due the patrons for the month is \$1,575.00, and the total amount of butter fat delivered by the patrons is 7,000 lbs., then $\$1,575.00 \div 7,000 = \$.225$, the price per lb. for butter fat. Now turn to the Money Calculating Table, and find the .225 table, which is used thus—

2. Suppose A has delivered 286 lbs. of butter fat, use the products in the \$.225 table set after 2, 8 and 6. Thus:

After 6	1350
After 8	1800
After 2	450
<hr/>	
	\$64.350

which gives the correct amount of money. Use the table in a similar manner to find each patron's money. A little practice with these tables will convince you that they are very useful.

3. Usually secretaries manage to get the price of butter fat to an even cent, or an even half cent, by carrying over a small surplus or by making up a small deficit, to be taken out of the proceeds of the succeeding month.

4. Suppose you find by exact figures that your butter fat for the month will bring \$.2462 per lb., and you have 5,250 lbs. butter fat. Now, it is a very good plan to carry over \$6.30 to the next month, and the price of your butter fat will be \$.245. Then calculate your dividends by the \$.245 table on page 61, in this book. Or, suppose your exact price for butter fat was \$.2438, by

drawing on the succeeding month for \$6.30, you would have \$.245 per lb. of butter fat, and can make use of the same table. By thus adjusting the price to suit the tables much hard work in figuring can be avoided.

5. Secretaries who do not wish to adjust the price of butter fat as above recommended, and wish to use the price exactly as found, can greatly facilitate their work by making a table to suit their price.

6. Suppose the price per lb. of butter fat is found to be \$.268, construct the following table, and use it per instructions given in number 2.

Thus—

$$268 \times 1 = 268$$

$$268 \times 2 = 536$$

$$268 \times 3 = 804$$

etc., to 268×9 .

The table can be made in a few minutes, and can be applied to the entire list of patrons, and will save a great amount of figuring.

You can construct tables at any price you wish, to suit the price. Suppose your exact price is \$.2668, then make table thus:

$$2668 \times 1 = 2668$$

$$2668 \times 2 = 5336$$

$$2668 \times 3 = 8004 \text{ etc.}$$

INSTRUCTIONS FOR BUTTER DIVIDENDS.

1. Although it is more work to make dividends in which the actual number of pounds of butter are given, nevertheless some operators wish to make such statements to satisfy the wishes of their patrons. Those wishing to make such dividends can best determine each patron's butter by using the Surplus Butter Table, given on page 63, as recommended by Dr. Babcock. The table will give the number of pounds of butter per 100 lbs. of milk for any test from 3 to 5.6%.

2. Example: Suppose you find the surplus butter over the fat to be 1.12, then use 1.12 column. If A's milk tests 3.6, you will find his butter yield to be 4.032. Suppose he delivers 2460 lbs. of milk, then, to determine his total butter, multiply 2460 (pointing off two places for hundreds), by 4.032—thus:

$$24.60 \times 4.032 = 99.18 + \text{lbs. butter.}$$

3. After determining each patron's butter, and the price per pound, use the Money Calculating Table to determine each patron's money, as per instructions for using the Money Calculating Tables, and if your price for butter does not correspond with any of the tables given construct a table to suit your price, as shown in No. 6, under Instructions for Using Money Calculating Tables.

INSTRUCTIONS FOR USING THE RELATIVE VALUE TABLE.

(Showing the relative price per 100 lbs. milk.)

The 4% horizontal line of figures in heavy type is used as the guiding line, and is $4 \times$ the price of butter fat. Suppose the butter fat brings 25 cents, then the price in heavy type (horizontal line), would be \$1.00, and you would have to use the perpendicular column, in which will be found \$1.00 in heavy type; and you will find that 4.2% milk is worth \$1.05; 4.4% milk, \$1.10; while 3% will be shown to be worth \$.75. Suppose the butter fat is worth 21.12 cents, it would make the price of 4% milk 84.48 cents, and the table could not be used unless the .12 cents were dropped and the amount carried over to be taken in the succeeding month as advised under "Instructions for Using the Money Calculating Tables" in sections 3 and 4.

You will notice that in order to get the price for 4% milk to an even cent per hundred, butter fat will have to end in the fraction of $\frac{1}{4}c$, $\frac{1}{2}c$, or $\frac{3}{4}c$, or full cent, in every case.

You will find this table very handy for quick work, but not strictly accurate.

HOW TO DIVIDE THE MONEY.

i. The Correct Way. Let us suppose that there is one composite test taken weekly, and

A has for the first week 2,046 lbs. milk-test, 3.2 equals fat 65.47

B	"	"	822	"	"	4.1	"	33.70
C	"	"	625	"	"	4.6	"	28.75
A has the second week,	1,820	"	"	"	3.3	"	60.06	
B	"	"	780	"	"	4.0	"	31.20
C	"	"	725	"	"	4.2	"	30.45
A has the third week,	2,244	"	"	"	3.0	"	67.32	
B	"	"	1,000	"	"	4.2	"	42.00
C	"	"	650	"	"	4.4	"	28.60
A has the fourth week,	2,120	"	"	"	3.1	"	65.72	
B	"	"	962	"	"	4.0	"	38.48
C	"	"	720	"	"	4.1	"	29.52
<hr/>				Total,	14,514		Total,	521.27

A's milk for month, 8,230 lbs. equals 258.57 fat.

B's " " 3,564 " " 145.38 "
 C's " " 2,720 " " 117.32 "

Total, 14,514 Total, 521.27

2. The Butter Sales.

First shipment, 4-40 lb. tubs, 160 lbs. net amount, \$40.00

Second	"	2-60	"	"	120	"	"	32.20
Third	"	2-60	"	"	120	"	"	30.50
Fourth	"	2-60	"	"	120	"	"	31.60
Home sales,					50	"	"	12.50
A drew					10	"	"	2.50
B drew					6	"	"	1.50

Total, 586

Total, \$150.80

Cost of manufacturing 586 lbs. at 4c

23, 44

The patrons' share is. - - - - - \$127 36

If 521.27 lbs. fat are worth \$127.36, 1 lb. of fat is worth 24.43c.

$$\begin{array}{l} \text{A's share equals } 258.57 \times 24.43c. \text{ equals } \$63.16 \\ \text{B's " " } 145.38 \times 24.43 " 35.53 \\ \text{C's " " } 117.32 \times 24.43 " 28.67 \end{array} \left. \begin{array}{l} \\ \\ \end{array} \right\} \$127.36$$

N. B.—Most secretaries carry over the amount brought about by the small fractions, to save figuring. If, in the above case, we carry \$2.26 forward to the next month, we would have:

$$\begin{array}{l} \text{A's share equals } 258.57 \times .24c. \text{ equals } \$62.05 \\ \text{B's " " } 145.38 \times .24c. " 34.89 \\ \text{C's " " } 117.32 \times .24c. " 28.16 \end{array} \left. \begin{array}{l} \\ \\ \end{array} \right\} \begin{array}{l} \$125.10 \\ 2.26 \text{ carried over.} \\ \hline \$127.36 \end{array}$$

3. The Practical Way. Taking the same milk and the same test we find it as follows: Here we find the average test by adding the four tests together and dividing by four.

$$\begin{array}{ll} \text{A. } 8,230 \text{ lbs. milk. Average test for month } 3.15 = 259.25 \text{ lbs fat.} \\ \text{B. } 3,564 " " " " 4.075 = 145.23 " " \\ \text{C. } 2,720 " " " " 4.325 = 117.64 " " \end{array}$$

Total, 14,514 lbs. milk.

Total, 522.12 " "

N. B.—We find that in this case we have nearly one pound of fat more for the total. By inspection we find that A has nearly one pound more than in the former statement, while B has a trifle less and C has a trifle more.

Of course, if cows vary very widely in test and in milk yield from week to week, we would recommend the "correct way." But for general practical purpose the incorrectness of this "practical way" is so slight, and labor saved in figuring so marked, that most any one will be justified in using it.

4. A's Butter Statement.

	Pounds.	Price.	
		Dols.	Cts.
Total No. pounds milk.....	14,514	.....	.....
Total No. pounds butter.....	586	.....	.....
Average net price for butter.....		25.73	
Net receipts for butter.....		150	80
For making butter @ 4c.....		23	44
Net amount due patrons.....		127	36
Per pound of butter fat (net to patrons).....		24.43	
General average test.....	3.59%	.....	.....
Your average test.....	3.141	.....	.....
Your No. of pounds of milk.....	8,230	.....	.....
Your butter fat.....	258.57	.....	.....
Your net proceeds.....		63	16
10 pounds butter drawn (@ 25c).....		2	50
Amount due you.....		\$60	66

5. Dividing Cheese Money. Taking the same figures as in butter:

A's milk for month. 8,230 pounds. Fat, 258.57

B's " " 3,564 pounds. " 145.38

C's " " 2,720 pounds. " 117.32

Total " " 14,514 . Total " 521.27

Suppose you get 1,450 pounds cheese, selling at ten cents net,

making total amount of money..... \$145.00
Manufacturing of 1,450 @ 1½ cents per pound, equals.... 21.75

Leaving patrons \$123.25

If 521.27 pounds fat are worth \$123.25, one pound of fat is worth 23.64+ cents.

A's share equals $258.57 \times 23.64 + c.$ equals \$61.13

B's " " $145.38 \times 23.64 + " 34.38$

C's " " $117.32 \times 23.64 + " 27.74$

Total: \$123.25

N. B.—In dividing the money in this case the secretary might have taken out seventy-seven cents and given it to the patrons the following month. He would then have: money, \$122.48; fat, 521.27; price for fat, 23.5; saving much labor in figuring.

6. A's Cheese Statement.

	Pounds.	Price.	
		Dol.	Cts.
Total No. pounds milk	14,514	.....	.....
Total No. pounds cheese.....	1,450	.....	.....
Average net price per pound (cheese).....		.....	10
Net receipts for cheese.....		145	00
Making and selling @ 1½ cents.....		21	75
Net amount due patrons.....		123	25
Per pound butter fat (net to patron).....			23.64+
Your amount of milk.....	8,230	.....	.....
General average test.....	3.59%	.....	.....
Your average test.....	3.14%	.....	.....
Your butter fat.....	258.57	.....	.....
Your net proceeds.....		61	13

P. S.—Suppose A had drawn fifty pounds of cheese, and 1,400 pounds were sold to the buyer. We, of course, would have charged him the same, and would now get our pay by taking it out of the \$61.13, leaving him \$61.13 — \$5.00 = \$56.13.

Before closing these chapters the writer would like to add that recent investigations tend to confirm the fact that satisfactory results can be obtained by making composite tests only every ten days, or even better than that, viz.: semi-monthly. A great advantage under semi-monthly composite tests would be that in making monthly dividends the secretary would have to deal with no worse fractions than tenths or five one hundredths, either of which is a very easy and simple fraction to handle; the assumption being that tests are read not closer than tenths.

Computating Tables

[*For Convenience the Following Tables Begin with Page 29.*]

2.9 PER CENT. TEST.

29

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	2.9	51	147.9	1	.....	51	1.5
2	5.8	52	150.8	2	.....	52	1.5
3	8.7	53	153.7	3	.1	53	1.5
4	11.6	54	156.6	4	.1	54	1.5
5	14.5	55	159.5	5	.1	55	1.6
6	17.4	56	162.4	6	.2	56	1.6
7	20.3	57	165.3	7	.2	57	1.6
8	23.2	58	168.2	8	.2	58	1.7
9	26.1	59	171.1	9	.2	59	1.7
10	29.0	60	174.0	10	.3	60	1.7
11	31.9	61	176.9	11	.3	61	1.7
12	34.8	62	179.8	12	.3	62	1.8
13	37.7	63	182.7	13	.4	63	1.8
14	40.6	64	185.6	14	.4	64	1.8
15	43.5	65	188.5	15	.4	65	1.9
16	46.4	66	191.4	16	.4	66	1.9
17	49.3	67	194.3	17	.5	67	1.9
18	52.2	68	197.2	18	.5	68	2.0
19	55.1	69	200.1	19	.5	69	2.0
20	58.0	70	203.0	20	.6	70	2.0
21	60.9	71	205.9	21	.6	71	2.0
22	63.8	72	208.8	22	.6	72	2.1
23	66.7	73	211.7	23	.6	73	2.1
24	69.6	74	214.6	24	.7	74	2.1
25	72.5	75	217.5	25	.7	75	2.1
26	75.4	76	220.4	26	.7	76	2.2
27	78.3	77	223.3	27	.8	77	2.2
28	81.2	78	226.2	28	.8	78	2.2
29	84.1	79	229.1	29	.8	79	2.3
30	87.0	80	232.0	30	.9	80	2.3
31	89.9	81	234.9	31	.9	81	2.3
32	92.8	82	237.8	32	.9	82	2.4
33	95.7	83	240.7	33	.9	83	2.4
34	98.6	84	243.6	34	1.0	84	2.4
35	101.5	85	246.5	35	1.0	85	2.4
36	104.4	86	249.4	36	1.0	86	2.5
37	107.3	87	252.3	37	1.1	87	2.5
38	110.2	88	255.2	38	1.1	88	2.5
39	113.1	89	258.1	39	1.1	89	2.6
40	116.0	90	261.0	40	1.1	90	2.6
41	118.9	91	263.9	41	1.2	91	2.6
42	121.8	92	266.8	42	1.2	92	2.6
43	124.7	93	269.7	43	1.2	93	2.7
44	127.6	94	272.6	44	1.3	94	2.7
45	130.5	95	275.5	45	1.3	95	2.7
46	133.4	96	278.4	46	1.3	96	2.8
47	136.3	97	281.3	47	1.3	97	2.8
48	139.2	98	284.2	48	1.4	98	2.8
49	142.1	99	287.1	49	1.4	99	2.9
50	145.0	100	290.0	50	1.4	100	2.9

3.0 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	3.0	51	153.0	1	.....	51	1.5
2	6.0	52	156.0	2	.....	52	1.5
3	9.0	53	159.0	3	.1	53	1.6
4	12.0	54	162.0	4	.1	54	1.6
5	15.0	55	165.0	5	.1	55	1.6
6	18.0	56	168.0	6	.2	56	1.7
7	21.0	57	171.0	7	.2	57	1.7
8	24.0	58	174.0	8	.2	58	1.7
9	27.0	59	177.0	9	.3	59	1.8
10	30.0	60	180.0	10	.3	60	1.8
11	33.0	61	183.0	11	.3	61	1.8
12	36.0	62	186.0	12	.3	62	1.8
13	39.0	63	189.0	13	.4	63	1.9
14	42.0	64	192.0	14	.4	64	1.9
15	45.0	65	195.0	15	.4	65	1.9
16	48.0	66	198.0	16	.5	66	2.0
17	51.0	67	201.0	17	.5	67	2.0
18	54.0	68	204.0	18	.5	68	2.0
19	57.0	69	207.0	19	.6	69	2.1
20	60.0	70	210.0	20	.6	70	2.1
21	63.0	71	213.0	21	.6	71	2.1
22	66.0	72	216.0	22	.6	72	2.1
23	69.0	73	219.0	23	.7	73	2.2
24	72.0	74	222.0	24	.7	74	2.2
25	75.0	75	225.0	25	.7	75	2.2
26	78.0	76	228.0	26	.8	76	2.3
27	81.0	77	231.0	27	.8	77	2.3
28	84.0	78	234.0	28	.8	78	2.3
29	87.0	79	237.0	29	.9	79	2.4
30	90.0	80	240.0	30	.9	80	2.4
31	93.0	81	243.0	31	.9	81	2.4
32	96.0	82	246.0	32	.9	82	2.5
33	99.0	83	249.0	33	1.0	83	2.5
34	102.0	84	252.0	34	1.0	84	2.5
35	105.0	85	255.0	35	1.0	85	2.5
36	108.0	86	258.0	36	1.1	86	2.6
37	111.0	87	261.0	37	1.1	87	2.6
38	114.0	88	264.0	38	1.1	88	2.6
39	117.0	89	267.0	39	1.2	89	2.7
40	120.0	90	270.0	40	1.2	90	2.7
41	123.0	91	273.0	41	1.2	91	2.7
42	126.0	92	276.0	42	1.2	92	2.7
43	129.0	93	279.0	43	1.3	93	2.8
44	132.0	94	282.0	44	1.3	94	2.8
45	135.0	95	285.0	45	1.3	95	2.8
46	138.0	96	288.0	46	1.4	96	2.9
47	141.0	97	291.0	47	1.4	97	2.9
48	144.0	98	294.0	48	1.4	98	2.9
49	147.0	99	297.0	49	1.5	99	3.0
50	150.0	100	300.0	50	1.5	100	3.0

3.1 PER CENT. TEST.

31

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	3.1	51	158.1	1	.....	51	1.6
2	6.2	52	161.2	2	.....	52	1.6
3	9.3	53	164.3	3	.1	53	1.6
4	12.4	54	167.4	4	.1	54	1.7
5	15.5	55	170.5	5	.1	55	1.7
6	18.6	56	173.6	6	.2	56	1.7
7	21.7	57	176.7	7	.2	57	1.7
8	24.8	58	179.8	8	.2	58	1.8
9	27.9	59	182.9	9	.3	59	1.8
10	31.0	60	186.0	10	.3	60	1.8
11	34.1	61	189.1	11	.3	61	1.9
12	37.2	62	192.2	12	.4	62	1.9
13	40.3	63	195.3	13	.4	63	1.9
14	43.4	64	198.4	14	.4	64	2.0
15	46.5	65	201.5	15	.4	65	2.0
16	49.6	66	204.6	16	.5	66	2.0
17	52.7	67	207.7	17	.5	67	2.1
18	55.8	68	210.8	18	.5	68	2.1
19	58.9	69	213.9	19	.6	69	2.1
20	62.0	70	217.0	20	.6	70	2.2
21	65.1	71	220.1	21	.6	71	2.2
22	68.2	72	223.2	22	.7	72	2.2
23	71.3	73	226.3	23	.7	73	2.2
24	74.4	74	229.4	24	.7	74	2.3
25	77.5	75	232.5	25	.8	75	2.3
26	80.6	76	235.6	26	.8	76	2.3
27	83.7	77	238.7	27	.8	77	2.4
28	86.8	78	241.8	28	.8	78	2.4
29	89.9	79	244.9	29	.9	79	2.4
30	93.0	80	248.0	30	.9	80	2.5
31	96.1	81	251.1	31	.9	81	2.5
32	99.2	82	254.2	32	1.0	82	2.5
33	102.3	83	257.3	33	1.0	83	2.6
34	105.4	84	260.4	34	1.0	84	2.6
35	108.5	85	263.5	35	1.1	85	2.6
36	111.6	86	266.6	36	1.1	86	2.6
37	114.7	87	269.7	37	1.1	87	2.7
38	117.8	88	272.8	38	1.2	88	2.7
39	120.9	89	275.9	39	1.2	89	2.7
40	124.0	90	279.0	40	1.2	90	2.8
41	127.1	91	282.1	41	1.3	91	2.8
42	130.2	92	285.2	42	1.3	92	2.8
43	133.3	93	288.3	43	1.3	93	2.9
44	136.4	94	291.4	44	1.3	94	2.9
45	139.5	95	294.5	45	1.4	95	2.9
46	142.6	96	297.6	46	1.4	96	3.0
47	145.7	97	300.7	47	1.4	97	3.0
48	148.8	98	303.8	48	1.5	98	3.0
49	151.9	99	306.9	49	1.5	99	3.0
50	155.0	100	310.0	50	1.5	100	3.1

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	3.2	51	163.2	1	.....	51	1.6
2	6.4	52	166.4	2	.....	52	1.6
3	9.6	53	169.6	3	.1	53	1.7
4	12.8	54	172.8	4	.1	54	1.7
5	16.0	55	176.0	5	.1	55	1.7
6	19.2	56	179.2	6	.2	56	1.8
7	22.4	57	182.4	7	.2	57	1.8
8	25.5	58	185.6	8	.2	58	1.8
9	28.8	59	188.8	9	.3	59	1.9
10	32.0	60	192.0	10	.3	60	1.9
11	35.2	61	195.2	11	.3	61	1.9
12	38.4	62	198.4	12	.4	62	2.0
13	41.6	63	201.6	13	.4	63	2.0
14	44.8	64	204.8	14	.4	64	2.0
15	48.0	65	208.0	15	.5	65	2.1
16	51.2	66	211.2	16	.5	66	2.1
17	54.4	67	214.4	17	.5	67	2.1
18	57.6	68	217.6	18	.6	68	2.2
19	60.8	69	220.8	19	.6	69	2.2
20	64.0	70	224.0	20	.6	70	2.2
21	67.2	71	227.2	21	.7	71	2.3
22	70.4	72	230.4	22	.7	72	2.3
23	73.6	73	233.6	23	.7	73	2.3
24	76.8	74	236.8	24	.7	74	2.3
25	80.0	75	240.0	25	.8	75	2.4
26	83.2	76	243.2	26	.8	76	2.4
27	86.4	77	246.4	27	.8	77	2.4
28	89.6	78	249.6	28	.9	78	2.5
29	92.8	79	252.8	29	.9	79	2.5
30	96.0	80	256.0	30	.9	80	2.5
31	99.2	81	259.2	31	1.0	81	2.6
32	102.4	82	262.4	32	1.0	82	2.6
33	105.6	83	265.6	33	1.0	83	2.6
34	108.8	84	268.8	34	1.1	84	2.7
35	112.0	85	272.0	35	1.1	85	2.7
36	115.2	86	275.2	36	1.1	86	2.7
37	118.4	87	278.4	37	1.2	87	2.8
38	121.6	88	281.6	38	1.2	88	2.8
39	124.8	89	284.8	39	1.2	89	2.8
40	128.0	90	288.0	40	1.3	90	2.9
41	131.2	91	291.2	41	1.3	91	2.9
42	134.4	92	294.4	42	1.3	92	2.9
43	137.6	93	297.6	43	1.4	93	3.0
44	140.8	94	300.8	44	1.4	94	3.0
45	144.0	95	304.0	45	1.4	95	3.0
46	147.2	96	307.2	46	1.5	96	3.1
47	150.4	97	310.4	47	1.5	97	3.1
48	153.6	98	313.6	48	1.5	98	3.1
49	156.8	99	316.8	49	1.5	99	3.1
50	160.0	100	320.0	50	1.6	100	3.2

3.3 PER CENT. TEST.

33

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	3.3	51	168.3	1	.....	51	1.7
2	6.6	52	171.6	2	.....	52	1.7
3	9.9	53	174.9	3	.1	53	1.7
4	13.2	54	178.2	4	.1	54	1.8
5	16.5	55	181.5	5	.1	55	1.8
6	19.8	56	184.8	6	.2	56	1.8
7	23.1	57	188.1	7	.2	57	1.9
8	26.4	58	191.4	8	.2	58	1.9
9	29.7	59	194.7	9	.3	59	1.9
10	33.0	60	198.0	10	.3	60	2.0
11	36.3	61	201.3	11	.3	61	2.0
12	39.6	62	204.6	12	.4	62	2.0
13	42.9	63	207.9	13	.4	63	2.1
14	46.2	64	211.2	14	.4	64	2.1
15	49.5	65	214.5	15	.5	65	2.1
16	52.8	66	217.8	16	.5	66	2.2
17	56.1	67	221.1	17	.5	67	2.2
18	59.4	68	224.4	18	.6	68	2.2
19	62.7	69	227.7	19	.6	69	2.3
20	66.0	70	231.0	20	.6	70	2.3
21	69.3	71	234.3	21	.7	71	2.3
22	72.6	72	237.6	22	.7	72	2.4
23	75.9	73	240.9	23	.7	73	2.4
24	79.2	74	244.2	24	.8	74	2.4
25	82.5	75	247.5	25	.8	75	2.5
26	85.8	76	250.8	26	.8	76	2.5
27	89.1	77	254.1	27	.9	77	2.5
28	92.4	78	257.4	28	.9	78	2.6
29	95.7	79	260.7	29	.9	79	2.6
30	99.0	80	264.0	30	1.0	80	2.6
31	102.3	81	267.3	31	1.0	81	2.7
32	105.6	82	270.6	32	1.0	82	2.7
33	108.9	83	273.9	33	1.1	83	2.7
34	112.2	84	277.2	34	1.1	84	2.8
35	115.5	85	280.5	35	1.1	85	2.8
36	118.8	86	283.8	36	1.2	86	2.8
37	122.1	87	287.1	37	1.2	87	2.9
38	125.4	88	290.4	38	1.2	88	2.9
39	128.7	89	293.7	39	1.3	89	2.9
40	132.0	90	297.0	40	1.3	90	3.0
41	135.3	91	300.3	41	1.3	91	3.0
42	138.6	92	303.6	42	1.4	92	3.0
43	141.9	93	306.9	43	1.4	93	3.0
44	145.2	94	310.2	44	1.4	94	3.1
45	148.5	95	313.5	45	1.5	95	3.1
46	151.8	96	316.8	46	1.5	96	3.1
47	155.1	97	320.1	47	1.5	97	3.2
48	158.4	98	323.4	48	1.6	98	3.2
49	161.7	99	326.7	49	1.6	99	3.2
50	165.0	100	330.0	50	1.6	100	3.3

3.4 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	3.4	51	173.4	1	.....	51	1.7
2	6.8	52	176.8	2	.1	52	1.7
3	10.2	53	180.2	3	.1	53	1.8
4	13.6	54	183.6	4	.1	54	1.8
5	17.0	55	187.0	5	.2	55	1.9
6	20.4	56	190.4	6	.2	56	1.9
7	23.8	57	193.8	7	.2	57	1.9
8	27.2	58	197.2	8	.3	58	2.0
9	30.6	59	200.6	9	.3	59	2.0
10	34.0	60	204.0	10	.3	60	2.0
11	37.4	61	207.4	11	.4	61	2.1
12	40.8	62	210.8	12	.4	62	2.1
13	44.2	63	214.2	13	.4	63	2.1
14	47.6	64	217.6	14	.5	64	2.2
15	51.0	65	221.0	15	.5	65	2.2
16	54.4	66	224.4	16	.5	66	2.2
17	57.8	67	227.8	17	.6	67	2.3
18	61.2	68	231.2	18	.6	68	2.3
19	64.6	69	234.6	19	.6	69	2.3
20	68.0	70	238.0	20	.7	70	2.4
21	71.4	71	241.4	21	.7	71	2.4
22	74.8	72	244.8	22	.7	72	2.4
23	78.2	73	248.2	23	.8	73	2.5
24	81.6	74	251.6	24	.8	74	2.5
25	85.0	75	255.0	25	.8	75	2.5
26	88.4	76	258.4	26	.9	76	2.6
27	91.8	77	261.8	27	.9	77	2.6
28	95.2	78	265.2	28	.9	78	2.6
29	98.6	79	268.6	29	1.0	79	2.7
30	102.0	80	272.0	30	1.0	80	2.7
31	105.4	81	275.4	31	1.0	81	2.7
32	108.8	82	278.8	32	1.1	82	2.8
33	112.2	83	282.2	33	1.1	83	2.8
34	115.6	84	285.6	34	1.1	84	2.8
35	119.0	85	289.0	35	1.2	85	2.9
36	122.4	86	292.4	36	1.2	86	2.9
37	125.8	87	295.8	37	1.2	87	2.9
38	129.2	88	299.2	38	1.3	88	3.0
39	132.6	89	302.6	39	1.3	89	3.0
40	136.0	90	306.0	40	1.3	90	3.0
41	139.4	91	309.4	41	1.4	91	3.1
42	142.8	92	312.8	42	1.4	92	3.1
43	146.2	93	316.2	43	1.4	93	3.1
44	149.6	94	319.6	44	1.5	94	3.2
45	153.0	95	323.0	45	1.5	95	3.2
46	156.4	96	326.4	46	1.5	96	3.2
47	159.8	97	329.8	47	1.6	97	3.3
48	163.2	98	333.2	48	1.6	98	3.3
49	166.6	99	336.6	49	1.6	99	3.3
50	170.0	100	340.0	50	1.7	100	3.4

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	3.5	51	178.5	1	.....	51	1.8
2	7.0	52	182.0	2	.1	52	1.8
3	10.5	53	185.5	3	.1	53	1.8
4	14.0	54	189.0	4	.1	54	1.9
5	17.5	55	192.5	5	.2	55	1.9
6	21.0	56	196.0	6	.2	56	1.9
7	24.5	57	199.5	7	.2	57	2.0
8	28.0	58	203.0	8	.3	58	2.0
9	31.5	59	206.5	9	.3	59	2.0
10	35.0	60	210.0	10	.3	60	2.1
11	38.5	61	213.5	11	.4	61	2.1
12	42.0	62	217.0	12	.4	62	2.2
13	45.5	63	220.5	13	.4	63	2.2
14	49.0	64	224.0	14	.5	64	2.2
15	52.5	65	227.5	15	.5	65	2.3
16	56.0	66	231.0	16	.5	66	2.3
17	59.5	67	234.5	17	.6	67	2.3
18	63.0	68	238.0	18	.6	68	2.4
19	66.5	69	241.5	19	.6	69	2.4
20	70.0	70	245.0	20	.7	70	2.4
21	73.5	71	248.5	21	.7	71	2.5
22	77.0	72	252.0	22	.8	72	2.5
23	80.5	73	255.5	23	.8	73	2.5
24	84.0	74	259.0	24	.8	74	2.6
25	87.5	75	262.5	25	.9	75	2.6
26	91.0	76	266.0	26	.9	76	2.6
27	94.5	77	269.5	27	.9	77	2.7
28	98.0	78	273.0	28	1.0	78	2.7
29	101.5	79	276.5	29	1.0	79	2.7
30	105.0	80	280.0	30	1.0	80	2.8
31	108.5	81	283.5	31	1.1	81	2.8
32	112.0	82	287.0	32	1.1	82	2.9
33	115.5	83	290.5	33	1.1	83	2.9
34	119.0	84	294.0	34	1.2	84	2.9
35	122.5	85	297.5	35	1.2	85	3.0
36	126.0	86	301.0	36	1.2	86	3.0
37	129.5	87	304.5	37	1.3	87	3.0
38	133.0	88	308.0	38	1.3	88	3.1
39	136.5	89	311.5	39	1.3	89	3.1
40	140.0	90	315.0	40	1.4	90	3.1
41	143.5	91	318.5	41	1.4	91	3.2
42	147.0	92	322.0	42	1.5	92	3.2
43	150.5	93	325.5	43	1.5	93	3.2
44	154.0	94	329.0	44	1.6	94	3.3
45	157.5	95	332.5	45	1.6	95	3.3
46	161.0	96	336.0	46	1.6	96	3.3
47	164.5	97	339.5	47	1.6	97	3.4
48	168.0	98	343.0	48	1.7	98	3.4
49	171.5	99	346.5	49	1.7	99	3.4
50	175.0	100	350.0	50	1.7	100	3.5

3.6 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	3.6	51	183.6	1	.....	51	1.8
2	7.2	52	187.2	2	.1	52	1.9
3	10.8	53	190.8	3	.1	53	1.9
4	14.4	54	194.4	4	.1	54	1.9
5	18.0	55	198.0	5	.2	55	2.0
6	21.6	56	201.6	6	.2	56	2.0
7	25.2	57	205.2	7	.2	57	2.0
8	28.8	58	208.8	8	.3	58	2.1
9	32.4	59	212.4	9	.3	59	2.1
10	36.0	60	216.0	10	.3	60	2.1
11	39.6	61	219.6	11	.4	61	2.2
12	43.2	62	223.2	12	.4	62	2.2
13	46.8	63	226.8	13	.4	63	2.2
14	50.4	64	230.4	14	.5	64	2.3
15	54.0	65	234.0	15	.5	65	2.3
16	57.6	66	237.6	16	.6	66	2.4
17	61.2	67	241.2	17	.6	67	2.4
18	64.8	68	244.8	18	.6	68	2.4
19	68.4	69	248.4	19	.7	69	2.5
20	72.0	70	252.0	20	.7	70	2.5
21	75.6	71	255.6	21	.7	71	2.5
22	79.2	72	259.2	22	.8	72	2.6
23	82.8	73	262.8	23	.8	73	2.6
24	86.4	74	266.4	24	.8	74	2.6
25	90.0	75	270.0	25	.9	75	2.7
26	93.6	76	273.6	26	.9	76	2.7
27	97.2	77	277.2	27	1.0	77	2.8
28	100.8	78	280.8	28	1.0	78	2.8
29	104.4	79	284.4	29	1.0	79	2.8
30	108.0	80	288.0	30	1.1	80	2.9
31	111.6	81	291.6	31	1.1	81	2.9
32	115.2	82	295.2	32	1.1	82	2.9
33	118.8	83	298.8	33	1.2	83	3.0
34	122.4	84	302.4	34	1.2	84	3.0
35	126.0	85	306.0	35	1.2	85	3.0
36	129.6	86	309.6	36	1.3	86	3.1
37	133.2	87	313.2	37	1.3	87	3.1
38	136.8	88	316.8	38	1.3	88	3.1
39	140.4	89	320.4	39	1.4	89	3.2
40	144.0	90	324.0	40	1.4	90	3.2
41	147.6	91	327.6	41	1.5	91	3.3
42	151.2	92	331.2	42	1.5	92	3.3
43	154.8	93	334.8	43	1.5	93	3.3
44	158.4	94	338.4	44	1.6	94	3.4
45	162.0	95	342.0	45	1.6	95	3.4
46	165.6	96	345.6	46	1.6	96	3.4
47	169.2	97	349.2	47	1.7	97	3.5
48	172.8	98	352.8	48	1.7	98	3.5
49	176.4	99	356.4	49	1.7	99	3.5
50	180.0	100	360.0	50	1.8	100	3.6

3.7 PER CENT. TEST.

37

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	3.7	51	188.7	1	.....	51	1.9
2	7.4	52	192.4	2	.1	52	1.9
3	11.1	53	196.1	3	.1	53	1.9
4	14.8	54	199.8	4	.1	54	2.0
5	18.5	55	203.5	5	.2	55	2.0
6	22.2	56	207.2	6	.2	56	2.1
7	25.9	57	210.9	7	.2	57	2.1
8	29.6	58	214.6	8	.3	58	2.1
9	33.3	59	218.3	9	.3	59	2.2
10	37.0	60	222.0	10	.4	60	2.2
11	40.7	61	225.7	11	.4	61	2.2
12	44.4	62	229.4	12	.4	62	2.3
13	48.1	63	233.1	13	.5	63	2.3
14	51.8	64	236.8	14	.5	64	2.3
15	55.5	65	240.5	15	.5	65	2.4
16	59.2	66	244.2	16	.6	66	2.4
17	62.9	67	247.9	17	.6	67	2.5
18	66.6	68	251.6	18	.6	68	2.5
19	70.3	69	255.3	19	.7	69	2.5
20	74.0	70	259.0	20	.7	70	2.6
21	77.7	71	262.7	21	.8	71	2.6
22	81.4	72	266.4	22	.8	72	2.6
23	85.1	73	270.1	23	.8	73	2.7
24	88.8	74	273.8	24	.9	74	2.7
25	92.5	75	277.5	25	.9	75	2.8
26	96.2	76	281.2	26	.9	76	2.8
27	99.9	77	284.9	27	1.0	77	2.8
28	103.6	78	288.6	28	1.0	78	2.9
29	107.3	79	292.3	29	1.1	79	2.9
30	111.0	80	296.0	30	1.1	80	2.9
31	114.7	81	299.7	31	1.1	81	3.0
32	118.4	82	303.4	32	1.2	82	3.0
33	122.1	83	307.1	33	1.2	83	3.1
34	125.8	84	310.8	34	1.2	84	3.1
35	129.5	85	314.5	35	1.3	85	3.1
36	133.2	86	318.2	36	1.3	86	3.2
37	136.9	87	321.9	37	1.3	87	3.2
38	140.6	88	325.6	38	1.4	88	3.2
39	144.3	89	329.3	39	1.4	89	3.3
40	148.0	90	333.0	40	1.5	90	3.3
41	151.7	91	336.7	41	1.5	91	3.3
42	155.4	92	340.4	42	1.5	92	3.4
43	159.1	93	344.1	43	1.6	93	3.4
44	162.8	94	347.8	44	1.6	94	3.5
45	166.5	95	351.5	45	1.6	95	3.5
46	170.2	96	355.2	46	1.7	96	3.5
47	173.9	97	358.9	47	1.7	97	3.6
48	177.6	98	362.6	48	1.8	98	3.6
49	181.3	99	366.3	49	1.8	99	3.6
50	185.0	100	370.0	50	1.8	100	3.7

3.8 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	3.8	51	193.8	1	.....	51	1.9
2	7.6	52	197.6	2	.1	52	2.0
3	11.4	53	201.4	3	.1	53	2.0
4	15.2	54	205.2	4	.1	54	2.0
5	19.0	55	209.0	5	.2	55	2.1
6	22.8	56	212.8	6	.2	56	2.1
7	26.6	57	216.6	7	.2	57	2.1
8	30.4	58	220.4	8	.3	58	2.2
9	34.2	59	224.2	9	.3	59	2.2
10	38.0	60	228.0	10	.4	60	2.3
11	41.8	61	231.8	11	.4	61	2.3
12	45.6	62	235.6	12	.4	62	2.3
13	49.4	63	239.4	13	.5	63	2.4
14	53.2	64	243.2	14	.5	64	2.4
15	57.0	65	247.0	15	.6	65	2.5
16	60.8	66	250.8	16	.6	66	2.5
17	64.6	67	254.6	17	.6	67	2.5
18	68.4	68	258.4	18	.7	68	2.6
19	72.2	69	262.2	19	.7	69	2.6
20	76.0	70	266.0	20	.7	70	2.6
21	79.8	71	269.8	21	.8	71	2.7
22	83.6	72	273.6	22	.8	72	2.7
23	87.4	73	277.4	23	.9	73	2.8
24	91.2	74	281.2	24	.9	74	2.8
25	95.0	75	285.0	25	.9	75	2.8
26	98.8	76	288.8	26	1.0	76	2.9
27	102.6	77	292.6	27	1.0	77	2.9
28	106.4	78	296.4	28	1.0	78	2.9
29	110.2	79	300.2	29	1.1	79	3.0
30	114.0	80	304.0	30	1.1	80	3.0
31	117.8	81	307.8	31	1.2	81	3.1
32	121.6	82	311.6	32	1.2	82	3.1
33	125.4	83	315.4	33	1.2	83	3.1
34	129.2	84	319.2	34	1.3	84	3.2
35	133.0	85	323.0	35	1.3	85	3.2
36	136.8	86	326.8	36	1.3	86	3.2
37	140.6	87	330.6	37	1.4	87	3.3
38	144.4	88	334.4	38	1.4	88	3.3
39	148.2	89	338.2	39	1.5	89	3.4
40	152.0	90	342.0	40	1.5	90	3.4
41	155.8	91	345.8	41	1.5	91	3.4
42	159.6	92	349.6	42	1.6	92	3.5
43	163.4	93	353.4	43	1.6	93	3.5
44	167.2	94	357.2	44	1.7	94	3.6
45	171.0	95	361.0	45	1.7	95	3.6
46	174.8	96	364.8	46	1.7	96	3.6
47	178.6	97	368.6	47	1.8	97	3.7
48	182.4	98	372.4	48	1.8	98	3.7
49	186.2	99	376.2	49	1.8	99	3.7
50	190.0	100	380.0	50	1.9	100	3.8

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	3.9	51	198.9	1	.....	51	2.0
2	7.8	52	202.8	2	.1	52	2.0
3	11.7	53	206.7	3	.1	53	2.0
4	15.6	54	210.6	4	.1	54	2.1
5	19.5	55	214.5	5	.2	55	2.1
6	23.4	56	218.4	6	.2	56	2.2
7	27.3	57	222.3	7	.3	57	2.2
8	31.2	58	226.2	8	.3	58	2.2
9	35.1	59	230.1	9	.3	59	2.3
10	39.0	60	234.0	10	.4	60	2.3
11	42.9	61	237.9	11	.4	61	2.4
12	46.8	62	241.8	12	.5	62	2.4
13	50.7	63	245.7	13	.5	63	2.4
14	54.6	64	249.6	14	.5	64	2.5
15	58.5	65	253.5	15	.6	65	2.5
16	62.4	66	257.4	16	.6	66	2.6
17	66.3	67	261.3	17	.6	67	2.6
18	70.2	68	265.2	18	.7	68	2.6
19	74.1	69	269.1	19	.7	69	2.7
20	78.0	70	273.0	20	.8	70	2.7
21	81.9	71	276.9	21	.8	71	2.7
22	85.8	72	280.8	22	.8	72	2.8
23	89.7	73	284.7	23	.9	73	2.8
24	93.6	74	288.6	24	.9	74	2.9
25	97.5	75	292.5	25	1.0	75	2.9
26	101.4	76	296.4	26	1.0	76	2.9
27	105.3	77	300.3	27	1.0	77	3.0
28	109.2	78	304.2	28	1.1	78	3.0
29	113.1	79	308.1	29	1.1	79	3.1
30	117.0	80	312.0	30	1.2	80	3.1
31	120.9	81	315.9	31	1.2	81	3.1
32	124.8	82	319.8	32	1.2	82	3.2
33	128.7	83	323.7	33	1.3	83	3.2
34	132.6	84	327.6	34	1.3	84	3.3
35	136.5	85	331.5	35	1.3	85	3.3
36	140.4	86	335.4	36	1.4	86	3.3
37	144.3	87	339.3	37	1.4	87	3.4
38	148.2	88	343.2	38	1.5	88	3.4
39	152.1	89	347.1	39	1.5	89	3.5
40	156.0	90	351.0	40	1.5	90	3.5
41	159.9	91	354.9	41	1.6	91	3.5
42	163.8	92	358.8	42	1.6	92	3.6
43	167.7	93	362.7	43	1.7	93	3.6
44	171.6	94	366.6	44	1.7	94	3.6
45	175.5	95	370.5	45	1.7	95	3.7
46	179.4	96	374.4	46	1.8	96	3.7
47	183.3	97	378.3	47	1.8	97	3.8
48	187.2	98	382.2	48	1.9	98	3.8
49	191.1	99	386.1	49	1.9	99	3.8
50	195.0	100	390.0	50	1.9	100	3.9

4.0 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	4.0	51	204.0	1	.....	51	2.0
2	8.0	52	208.0	2	.1	52	2.1
3	12.0	53	212.0	3	.1	53	2.1
4	16.0	54	216.0	4	.1	54	2.1
5	20.0	55	220.0	5	.2	55	2.2
6	24.0	56	224.0	6	.2	56	2.2
7	28.0	57	228.0	7	.3	57	2.3
8	32.0	58	232.0	8	.3	58	2.3
9	36.0	59	236.0	9	.3	59	2.3
10	40.0	60	240.0	10	.4	60	2.4
11	44.0	61	244.0	11	.4	61	2.4
12	48.0	62	248.0	12	.5	62	2.5
13	52.0	63	252.0	13	.5	63	2.5
14	56.0	64	256.0	14	.5	64	2.5
15	60.0	65	260.0	15	.6	65	2.6
16	64.0	66	264.0	16	.6	66	2.6
17	68.0	67	268.0	17	.7	67	2.7
18	72.0	68	272.0	18	.7	68	2.7
19	76.0	69	276.0	19	.7	69	2.7
20	80.0	70	280.0	20	.8	70	2.8
21	84.0	71	284.0	21	.8	71	2.8
22	88.0	72	288.0	22	.9	72	2.9
23	92.0	73	292.0	23	.9	73	2.9
24	96.0	74	296.0	24	.9	74	2.9
25	100.0	75	300.0	25	1.0	75	3.0
26	104.0	76	304.0	26	1.0	76	3.0
27	108.0	77	308.0	27	1.1	77	3.1
28	112.0	78	312.0	28	1.1	78	3.1
29	116.0	79	316.0	29	1.1	79	3.1
30	120.0	80	320.0	30	1.2	80	3.2
31	124.0	81	324.0	31	1.2	81	3.2
32	128.0	82	328.0	32	1.3	82	3.3
33	132.0	83	332.0	33	1.3	83	3.3
34	136.0	84	336.0	34	1.3	84	3.3
35	140.0	85	340.0	35	1.4	85	3.4
36	144.0	86	344.0	36	1.4	86	3.4
37	148.0	87	348.0	37	1.5	87	3.5
38	152.0	88	352.0	38	1.5	88	3.5
39	156.0	89	356.0	39	1.5	89	3.5
40	160.0	90	360.0	40	1.6	90	3.6
41	164.0	91	364.0	41	1.6	91	3.6
42	168.0	92	368.0	42	1.7	92	3.7
43	172.0	93	372.0	43	1.7	93	3.7
44	176.0	94	376.0	44	1.7	94	3.7
45	180.0	95	380.0	45	1.8	95	3.8
46	184.0	96	384.0	46	1.8	96	3.8
47	188.0	97	388.0	47	1.9	97	3.9
48	192.0	98	392.0	48	1.9	98	3.9
49	196.0	99	396.0	49	1.9	99	3.9
50	200.0	100	400.0	50	2.0	100	4.0

4.1 PER CENT. TEST.

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MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	.1	51	209.1	1	51	2.1
2	8.2	52	213.2	2	.1	52	2.1
3	12.3	53	217.3	3	.1	53	2.2
4	16.4	54	221.4	4	.1	54	2.2
5	20.5	55	225.5	5	.2	55	2.2
6	24.6	56	229.6	6	.2	56	2.3
7	28.7	57	233.7	7	.3	57	2.3
8	32.8	58	237.8	8	.3	58	2.4
9	36.9	59	241.9	9	.3	59	2.4
10	41.0	60	246.0	10	.4	60	2.4
11	45.1	61	250.1	11	.4	61	2.5
12	49.2	62	254.2	12	.5	62	2.5
13	53.3	63	258.3	13	.5	63	2.6
14	57.4	64	262.4	14	.6	64	2.6
15	61.5	65	266.5	15	.6	65	2.6
16	65.6	66	270.6	16	.6	66	2.7
17	69.7	67	274.7	17	.7	67	2.7
18	73.8	68	278.8	18	.7	68	2.8
19	77.9	69	282.9	19	.8	69	2.8
20	82.0	70	287.0	20	.8	70	2.9
21	86.1	71	291.1	21	.8	71	2.9
22	90.2	72	295.2	22	.9	72	2.9
23	94.3	73	299.3	23	.9	73	3.0
24	98.4	74	303.4	24	1.0	74	3.0
25	102.5	75	307.5	25	1.0	75	3.1
26	106.6	76	311.6	26	1.0	76	3.1
27	110.7	77	315.7	27	1.1	77	3.1
28	114.8	78	319.8	28	1.1	78	3.2
29	118.9	79	323.9	29	1.2	79	3.2
30	123.0	80	328.0	30	1.2	80	3.3
31	127.1	81	332.1	31	1.3	81	3.3
32	131.2	82	336.2	32	1.3	82	3.3
33	135.3	83	340.3	33	1.3	83	3.4
34	139.4	84	344.4	34	1.4	84	3.4
35	143.5	85	348.5	35	1.4	85	3.5
36	147.6	86	352.6	36	1.5	86	3.5
37	151.7	87	356.7	37	1.5	87	3.5
38	155.8	88	360.8	38	1.5	88	3.6
39	159.9	89	364.9	39	1.6	89	3.6
40	164.0	90	369.0	40	1.6	90	3.7
41	168.1	91	373.1	41	1.7	91	3.7
42	172.2	92	377.2	42	1.7	92	3.8
43	176.3	93	381.3	43	1.7	93	3.8
44	180.4	94	385.4	44	1.8	94	3.8
45	184.5	95	389.5	45	1.8	95	3.9
46	188.6	96	393.6	46	1.9	96	3.9
47	192.7	97	397.7	47	1.9	97	4.0
48	196.8	98	401.8	48	1.9	98	4.0
49	200.9	99	405.9	49	2.0	99	4.0
50	205.0	100	410.0	50	2.0	100	4.1

4.2 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	4.2	51	214.2	1	.....	51	2.1
2	8.4	52	218.4	2	.1	52	2.2
3	12.6	53	222.6	3	.1	53	2.2
4	16.8	54	226.8	4	.1	54	2.3
5	21.0	55	231.0	5	.2	55	2.3
6	25.2	56	235.2	6	.2	56	2.3
7	29.4	57	239.4	7	.3	57	2.4
8	33.6	58	243.6	8	.3	58	2.4
9	37.8	59	247.8	9	.4	59	2.5
10	42.0	60	252.0	10	.4	60	2.5
11	46.2	61	256.2	11	.4	61	2.5
12	50.4	62	260.4	12	.5	62	2.6
13	54.6	63	264.6	13	.5	63	2.6
14	58.8	64	268.8	14	.6	64	2.7
15	63.0	65	273.0	15	.6	65	2.7
16	67.2	66	277.2	16	.6	66	2.8
17	71.4	67	281.4	17	.7	67	2.8
18	75.6	68	285.6	18	.7	68	2.8
19	79.8	69	289.8	19	.8	69	2.9
20	84.0	70	294.0	20	.8	70	2.9
21	88.2	71	298.2	21	.9	71	3.0
22	92.4	72	302.4	22	.9	72	3.0
23	96.6	73	306.6	23	.9	73	3.0
24	100.8	74	310.8	24	1.0	74	3.1
25	105.0	75	315.0	25	1.0	75	3.1
26	109.2	76	319.2	26	1.1	76	3.2
27	113.4	77	323.4	27	1.1	77	3.2
28	117.6	78	327.6	28	1.2	78	3.3
29	121.8	79	331.8	29	1.2	79	3.3
30	126.0	80	336.0	30	1.2	80	3.3
31	130.2	81	340.2	31	1.3	81	3.4
32	134.4	82	344.4	32	1.3	82	3.4
33	138.6	83	348.6	33	1.4	83	3.5
34	142.8	84	352.8	34	1.4	84	3.5
35	147.0	85	357.0	35	1.5	85	3.6
36	151.2	86	361.2	36	1.5	86	3.6
37	155.4	87	365.4	37	1.5	87	3.6
38	159.6	88	369.6	38	1.6	88	3.7
39	163.8	89	373.8	39	1.6	89	3.7
40	168.0	90	378.0	40	1.7	90	3.8
41	172.2	91	382.2	41	1.7	91	3.8
42	176.4	92	386.4	42	1.7	92	3.8
43	180.6	93	390.6	43	1.8	93	3.9
44	184.8	94	394.8	44	1.8	94	3.9
45	189.0	95	399.0	45	1.9	95	4.0
46	193.2	96	403.2	46	1.9	96	4.0
47	197.4	97	407.4	47	2.0	97	4.1
48	201.6	98	411.6	48	2.0	98	4.1
49	205.8	99	415.8	49	2.0	99	4.1
50	210.0	100	420.0	50	2.1	100	4.2

4.3 PER CENT. TEST.

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MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	4.3	51	219.3	1	51	2.2
2	8.6	52	223.6	2	.1	52	2.2
3	12.9	53	227.9	3	.1	53	2.3
4	17.2	54	232.2	4	.2	54	2.3
5	21.5	55	236.5	5	.2	55	2.3
6	25.8	56	240.8	6	.2	56	2.4
7	30.1	57	245.1	7	.3	57	2.4
8	34.4	58	249.4	8	.3	58	2.5
9	38.7	59	253.7	9	.4	59	2.5
10	43.0	60	258.0	10	.4	60	2.6
11	47.3	61	262.3	11	.5	61	2.6
12	51.6	62	266.6	12	.5	62	2.6
13	55.9	63	270.9	13	.5	63	2.7
14	60.2	64	275.2	14	.6	64	2.7
15	64.5	65	279.5	15	.6	65	2.8
16	68.8	66	283.8	16	.7	66	2.8
17	73.1	67	288.1	17	.7	67	2.9
18	77.4	68	292.4	18	.8	68	2.9
19	81.7	69	296.7	19	.8	69	2.9
20	86.0	70	301.0	20	.8	70	3.0
21	90.3	71	305.3	21	.9	71	3.0
22	94.6	72	309.6	22	.9	72	3.1
23	98.9	73	313.9	23	1.0	73	3.1
24	103.2	74	318.2	24	1.0	74	3.2
25	107.5	75	322.5	25	1.1	75	3.2
26	111.8	76	326.8	26	1.1	76	3.2
27	116.1	77	331.1	27	1.1	77	3.3
28	120.4	78	335.4	28	1.2	78	3.3
29	124.7	79	339.7	29	1.2	79	3.4
30	129.0	80	344.0	30	1.3	80	3.4
31	133.3	81	348.3	31	1.3	81	3.5
32	137.6	82	352.6	32	1.4	82	3.5
33	141.9	83	356.9	33	1.4	83	3.5
34	146.2	84	361.2	34	1.4	84	3.6
35	150.5	85	365.5	35	1.5	85	3.6
36	154.8	86	369.8	36	1.5	86	3.7
37	159.1	87	374.1	37	1.6	87	3.7
38	163.4	88	378.4	38	1.6	88	3.8
39	167.7	89	382.7	39	1.7	89	3.8
40	172.0	90	387.0	40	1.7	90	3.9
41	176.3	91	391.3	41	1.7	91	3.9
42	180.6	92	395.6	42	1.8	92	3.9
43	184.9	93	399.9	43	1.8	93	4.0
44	189.2	94	404.2	44	1.9	94	4.0
45	193.5	95	408.5	45	1.9	95	4.1
46	197.8	96	412.8	46	2.0	96	4.1
47	202.1	97	417.1	47	2.0	97	4.2
48	206.4	98	421.4	48	2.0	98	4.2
49	210.7	99	425.7	49	2.1	99	4.2
50	215.0	100	430.0	50	2.1	100	4.3

4.4 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	4.4	51	224.4	1	.....	51	2.2
2	8.8	52	228.8	2	.1	52	2.3
3	13.2	53	233.2	3	.1	53	2.3
4	17.6	54	237.6	4	.2	54	2.4
5	22.0	55	242.0	5	.2	55	2.4
6	26.4	56	246.4	6	.2	56	2.4
7	30.8	57	250.8	7	.3	57	2.5
8	35.2	58	255.2	8	.3	58	2.5
9	39.6	59	259.6	9	.4	59	2.6
10	44.0	60	264.0	10	.4	60	2.6
11	48.4	61	268.4	11	.5	61	2.7
12	52.8	62	272.8	12	.5	62	2.7
13	57.2	63	277.2	13	.6	63	2.8
14	61.6	64	281.6	14	.6	64	2.8
15	66.0	65	286.0	15	.6	65	2.8
16	70.4	66	290.4	16	.7	66	2.9
17	74.8	67	294.8	17	.7	67	2.9
18	79.2	68	299.2	18	.8	68	3.0
19	83.6	69	303.6	19	.8	69	3.0
20	88.0	70	308.0	20	.9	70	3.1
21	92.4	71	312.4	21	.9	71	3.1
22	96.8	72	316.8	22	.9	72	3.1
23	101.2	73	321.2	23	1.0	73	3.2
24	105.6	74	325.6	24	1.0	74	3.2
25	110.0	75	330.0	25	1.1	75	3.3
26	114.4	76	334.4	26	1.1	76	3.3
27	118.8	77	338.8	27	1.2	77	3.4
28	123.2	78	343.2	28	1.2	78	3.4
29	127.6	79	347.6	29	1.3	79	3.5
30	132.0	80	352.0	30	1.3	80	3.5
31	136.4	81	356.4	31	1.3	81	3.5
32	140.8	82	360.8	32	1.4	82	3.6
33	145.2	83	365.2	33	1.4	83	3.6
34	149.6	84	369.6	34	1.5	84	3.7
35	154.0	85	374.0	35	1.5	85	3.7
36	158.4	86	378.4	36	1.6	86	3.8
37	162.8	87	382.8	37	1.6	87	3.8
38	167.2	88	387.2	38	1.7	88	3.9
39	171.6	89	391.6	39	1.7	89	3.9
40	176.0	90	396.0	40	1.7	90	3.9
41	180.4	91	400.4	41	1.8	91	4.0
42	184.8	92	404.8	42	1.8	92	4.0
43	189.2	93	409.2	43	1.9	93	4.1
44	193.6	94	413.6	44	1.9	94	4.1
45	198.0	95	418.0	45	2.0	95	4.2
46	202.4	96	422.4	46	2.0	96	4.2
47	206.8	97	426.8	47	2.0	97	4.2
48	211.2	98	431.2	48	2.1	98	4.3
49	215.6	99	435.6	49	2.1	99	4.3
50	220.0	100	440.0	50	2.2	100	4.4

4.5 PER CENT. TEST.

45

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	4.5	51	229.5	1	.....	51	2.3
2	9.0	52	234.0	2	.1	52	2.3
3	13.5	53	238.5	3	.1	53	2.4
4	18.0	54	243.0	4	.2	54	2.4
5	22.5	55	247.5	5	.2	55	2.5
6	27.0	56	252.0	6	.3	56	2.5
7	31.5	57	256.5	7	.3	57	2.5
8	36.0	58	261.0	8	.3	58	2.6
9	40.5	59	265.5	9	.4	59	2.6
10	45.0	60	270.0	10	.4	60	2.7
11	49.5	61	274.5	11	.5	61	2.7
12	54.0	62	279.0	12	.5	62	2.8
13	58.5	63	283.5	13	.6	63	2.8
14	63.0	64	288.0	14	.6	64	2.9
15	67.5	65	292.5	15	.7	65	2.9
16	72.0	66	297.0	16	.7	66	3.0
17	76.5	67	301.5	17	.7	67	3.0
18	81.0	68	306.0	18	.8	68	3.0
19	85.5	69	310.5	19	.8	69	3.1
20	90.0	70	315.0	20	.9	70	3.1
21	94.5	71	319.5	21	.9	71	3.2
22	99.0	72	324.0	22	1.0	72	3.2
23	103.5	73	328.5	23	1.0	73	3.3
24	108.0	74	333.0	24	1.1	74	3.3
25	112.5	75	337.5	25	1.1	75	3.4
26	117.0	76	342.0	26	1.2	76	3.4
27	121.5	77	346.5	27	1.2	77	3.4
28	126.0	78	351.0	28	1.2	78	3.5
29	130.5	79	355.5	29	1.3	79	3.5
30	135.0	80	360.0	30	1.3	80	3.6
31	139.5	81	364.5	31	1.4	81	3.6
32	144.0	82	369.0	32	1.4	82	3.7
33	148.5	83	373.5	33	1.5	83	3.7
34	153.0	84	378.0	34	1.5	84	3.8
35	157.5	85	382.5	35	1.6	85	3.8
36	162.0	86	387.0	36	1.6	86	3.9
37	166.5	87	391.5	37	1.6	87	3.9
38	171.0	88	396.0	38	1.7	88	3.9
39	175.5	89	400.5	39	1.7	89	4.0
40	180.0	90	405.0	40	1.8	90	4.0
41	184.5	91	409.5	41	1.8	91	4.1
42	189.0	92	414.0	42	1.9	92	4.1
43	193.5	93	418.5	43	1.9	93	4.2
44	198.0	94	423.0	44	2.0	94	4.2
45	202.5	95	427.5	45	2.0	95	4.3
46	207.0	96	432.0	46	2.1	96	4.3
47	211.5	97	436.5	47	2.1	97	4.3
48	216.0	98	441.0	48	2.1	98	4.4
49	220.5	99	445.5	49	2.2	99	4.4
50	225.0	100	450.0	50	2.2	100	4.5

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	4.6	51	234.6	1	.....	51	2.3
2	9.2	52	239.2	2	.1	52	2.4
3	13.8	53	243.8	3	.1	53	2.4
4	18.4	54	248.4	4	.2	54	2.5
5	23.0	55	253.0	5	.2	55	2.5
6	27.6	56	257.6	6	.3	56	2.6
7	32.2	57	262.2	7	.3	57	2.6
8	36.8	58	266.8	8	.3	58	2.6
9	41.4	59	271.4	9	.4	59	2.7
10	46.0	60	276.0	10	.4	60	2.7
11	50.6	61	280.6	11	.5	61	2.8
12	55.2	62	285.2	12	.5	62	2.8
13	59.8	63	289.8	13	.6	63	2.9
14	64.4	64	294.4	14	.6	64	2.9
15	69.0	65	299.0	15	.7	65	3.0
16	73.6	66	303.6	16	.7	66	3.0
17	78.2	67	308.2	17	.8	67	3.1
18	82.8	68	312.8	18	.8	68	3.1
19	87.4	69	317.4	19	.9	69	3.2
20	92.0	70	322.0	20	.9	70	3.2
21	96.6	71	326.6	21	.9	71	3.2
22	101.2	72	331.2	22	1.0	72	3.3
23	105.8	73	335.8	23	1.0	73	3.3
24	110.4	74	340.4	24	1.1	74	3.4
25	115.0	75	345.0	25	1.1	75	3.4
26	119.6	76	349.6	26	1.2	76	3.5
27	124.2	77	354.2	27	1.2	77	3.5
28	128.8	78	358.8	28	1.3	78	3.6
29	133.4	79	363.4	29	1.3	79	3.6
30	138.0	80	368.0	30	1.4	80	3.7
31	142.6	81	372.6	31	1.4	81	3.7
32	147.2	82	377.2	32	1.5	82	3.8
33	151.8	83	381.8	33	1.5	83	3.8
34	156.4	84	386.4	34	1.5	84	3.8
35	161.0	85	391.0	35	1.6	85	3.9
36	165.6	86	395.6	36	1.6	86	3.9
37	170.2	87	400.2	37	1.7	87	4.0
38	174.8	88	404.8	38	1.7	88	4.0
39	179.4	89	409.4	39	1.8	89	4.1
40	184.0	90	414.0	40	1.8	90	4.1
41	188.6	91	418.6	41	1.9	91	4.2
42	193.2	92	423.2	42	1.9	92	4.2
43	197.8	93	427.8	43	2.0	93	4.3
44	202.4	94	432.4	44	2.0	94	4.3
45	207.0	95	437.0	45	2.1	95	4.4
46	211.6	96	441.6	46	2.1	96	4.4
47	216.2	97	446.2	47	2.1	97	4.4
48	220.8	98	450.8	48	2.2	98	4.5
49	225.4	99	455.4	49	2.2	99	4.5
50	230.0	100	460.0	50	2.3	100	4.6

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	4.7	51	239.7	1	.....	51	2.4
2	9.4	52	244.4	2	.1	52	2.4
3	14.1	53	249.1	3	.1	53	2.5
4	18.8	54	253.8	4	.2	54	2.5
5	23.5	55	258.5	5	.2	55	2.6
6	28.2	56	263.2	6	.3	56	2.7
7	32.9	57	267.9	7	.3	57	2.7
8	37.6	58	272.6	8	.4	58	2.7
9	42.3	59	277.3	9	.4	59	2.8
10	47.0	60	282.0	10	.5	60	2.8
11	51.7	61	286.7	11	.5	61	2.8
12	56.4	62	291.4	12	.5	62	2.9
13	61.1	63	296.1	13	.6	63	2.9
14	65.8	64	300.8	14	.6	64	3.0
15	70.5	65	305.5	15	.7	65	3.0
16	75.2	66	310.2	16	.7	66	3.1
17	79.9	67	314.9	17	.8	67	3.1
18	84.6	68	319.6	18	.8	68	3.2
19	89.3	69	324.3	19	.9	69	3.2
20	94.0	70	329.0	20	.9	70	3.3
21	98.7	71	333.7	21	1.0	71	3.3
22	103.4	72	338.4	22	1.0	72	3.4
23	108.1	73	343.1	23	1.1	73	3.4
24	112.8	74	347.8	24	1.1	74	3.5
25	117.5	75	352.5	25	1.2	75	3.5
26	122.2	76	357.2	26	1.2	76	3.6
27	126.9	77	361.9	27	1.2	77	3.6
28	131.6	78	366.6	28	1.3	78	3.6
29	136.3	79	371.3	29	1.3	79	3.7
30	141.0	80	376.0	30	1.4	80	3.7
31	145.7	81	380.7	31	1.4	81	3.8
32	150.4	82	385.4	32	1.5	82	3.8
33	155.1	83	390.1	33	1.5	83	3.9
34	159.8	84	394.8	34	1.6	84	3.9
35	164.5	85	399.5	35	1.6	85	4.0
36	169.2	86	404.2	36	1.7	86	4.0
37	173.9	87	408.9	37	1.7	87	4.1
38	178.6	88	413.6	38	1.8	88	4.1
39	183.3	89	418.3	39	1.8	89	4.2
40	188.0	90	423.0	40	1.9	90	4.2
41	192.7	91	427.7	41	1.9	91	4.3
42	197.4	92	432.4	42	2.0	92	4.3
43	202.1	93	437.1	43	2.0	93	4.4
44	206.8	94	441.8	44	2.0	94	4.4
45	211.5	95	446.5	45	2.1	95	4.4
46	216.2	96	451.2	46	2.1	96	4.5
47	220.9	97	455.9	47	2.2	97	4.5
48	225.6	98	460.6	48	2.2	98	4.6
49	230.3	99	465.3	49	2.3	99	4.6
50	235.0	100	470.0	50	2.3	100	4.7

4.8 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	4.8	51	244.8	1	.....	51	2.4
2	9.6	52	249.6	2	.1	52	2.5
3	14.4	53	254.4	3	.1	53	2.5
4	19.2	54	259.2	4	.2	54	2.6
5	24.0	55	264.0	5	.2	55	2.6
6	28.8	56	268.8	6	.3	56	2.7
7	33.6	57	273.6	7	.3	57	2.7
8	38.4	58	278.4	8	.4	58	2.8
9	43.2	59	283.2	9	.4	59	2.8
10	48.0	60	288.0	10	.5	60	2.9
11	52.8	61	292.8	11	.5	61	2.9
12	57.6	62	297.6	12	.6	62	3.0
13	62.4	63	302.4	13	.6	63	3.0
14	67.2	64	307.2	14	.7	64	3.1
15	72.0	65	312.0	15	.7	65	3.1
16	76.8	66	316.8	16	.7	66	3.1
17	81.6	67	321.6	17	.8	67	3.2
18	86.4	68	326.4	18	.8	68	3.2
19	91.2	69	331.2	19	.9	69	3.3
20	96.0	70	336.0	20	.9	70	3.3
21	100.8	71	340.8	21	1.0	71	3.4
22	105.6	72	345.6	22	1.0	72	3.4
23	110.4	73	350.4	23	1.1	73	3.5
24	115.2	74	355.2	24	1.1	74	3.5
25	120.0	75	360.0	25	1.2	75	3.6
26	124.8	76	364.8	26	1.2	76	3.6
27	129.6	77	369.6	27	1.3	77	3.7
28	134.4	78	374.4	28	1.3	78	3.7
29	139.2	79	379.2	29	1.4	79	3.8
30	144.0	80	384.0	30	1.4	80	3.8
31	148.8	81	388.8	31	1.5	81	3.9
32	153.6	82	393.6	32	1.5	82	3.9
33	158.4	83	398.4	33	1.6	83	4.0
34	163.2	84	403.2	34	1.6	84	4.0
35	168.0	85	408.0	35	1.7	85	4.1
36	172.8	86	412.8	36	1.7	86	4.1
37	177.6	87	417.6	37	1.8	87	4.2
38	182.4	88	422.4	38	1.8	88	4.2
39	187.2	89	427.2	39	1.9	89	4.3
40	192.0	90	432.0	40	1.9	90	4.3
41	196.8	91	436.8	41	1.9	91	4.3
42	201.6	92	441.6	42	2.0	92	4.4
43	206.4	93	446.4	43	2.0	93	4.4
44	211.2	94	451.2	44	2.1	94	4.5
45	216.0	95	456.0	45	2.1	95	4.5
46	220.8	96	460.8	46	2.2	96	4.6
47	225.6	97	465.6	47	2.2	97	4.6
48	230.4	98	470.4	48	2.3	98	4.7
49	235.2	99	475.2	49	2.3	99	4.7
50	240.0	100	480.0	50	2.4	100	4.8

4.9 PER CENT. TEST.

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MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	4.9	51	249.9	1	51	2.5
2	9.8	52	254.8	2	.1	52	2.5
3	14.7	53	259.7	3	.1	53	2.6
4	19.6	54	264.6	4	.2	54	2.6
5	24.5	55	269.5	5	.2	55	2.7
6	29.4	56	274.4	6	.3	56	2.7
7	34.3	57	279.3	7	.3	57	2.8
8	39.2	58	284.2	8	.4	58	2.8
9	44.1	59	289.1	9	.4	59	2.9
10	49.0	60	294.0	10	.5	60	2.9
11	53.9	61	298.9	11	.5	61	3.0
12	58.8	62	303.8	12	.6	62	3.0
13	63.7	63	308.7	13	.6	63	3.1
14	68.6	64	313.6	14	.7	64	3.1
15	73.5	65	318.5	15	.7	65	3.2
16	78.4	66	323.4	16	.8	66	3.2
17	83.3	67	328.3	17	.8	67	3.3
18	88.2	68	333.2	18	.9	68	3.3
19	93.1	69	338.1	19	.9	69	3.4
20	98.0	70	343.0	20	1.0	70	3.4
21	102.9	71	347.9	21	1.0	71	3.5
22	107.8	72	352.8	22	1.1	72	3.5
23	112.7	73	357.7	23	1.1	73	3.6
24	117.6	74	362.6	24	1.2	74	3.6
25	122.5	75	367.5	25	1.2	75	3.7
26	127.4	76	372.4	26	1.3	76	3.7
27	132.3	77	377.3	27	1.3	77	3.8
28	137.2	78	382.2	28	1.4	78	3.8
29	142.1	79	387.1	29	1.4	79	3.9
30	147.0	80	392.0	30	1.5	80	3.9
31	151.9	81	396.9	31	1.5	81	3.9
32	156.8	82	401.8	32	1.5	82	4.0
33	161.7	83	406.7	33	1.6	83	4.0
34	166.6	84	411.6	34	1.6	84	4.1
35	171.5	85	416.5	35	1.7	85	4.1
36	176.4	86	421.4	36	1.7	86	4.2
37	181.3	87	426.3	37	1.8	87	4.2
38	186.2	88	431.2	38	1.8	88	4.3
39	191.1	89	436.1	39	1.9	89	4.3
40	196.0	90	441.0	40	1.9	90	4.4
41	200.9	91	445.9	41	2.0	91	4.4
42	205.8	92	450.8	42	2.0	92	4.5
43	210.7	93	455.7	43	2.1	93	4.5
44	215.6	94	460.6	44	2.1	94	4.6
45	220.5	95	465.5	45	2.2	95	4.6
46	225.4	96	470.4	46	2.2	96	4.7
47	230.3	97	475.3	47	2.3	97	4.7
48	235.2	98	480.2	48	2.3	98	4.8
49	240.1	99	485.1	49	2.4	99	4.8
50	245.0	100	490.0	50	2.4	100	4.9

5.0 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	5.0	51	255.0	1	.....	51	2.5
2	10.0	52	260.0	2	.1	52	2.6
3	15.0	53	265.0	3	.1	53	2.6
4	20.0	54	270.0	4	.2	54	2.7
5	25.0	55	275.0	5	.2	55	2.7
6	30.0	56	280.0	6	.3	56	2.8
7	35.0	57	285.0	7	.3	57	2.8
8	40.0	58	290.0	8	.4	58	2.9
9	45.0	59	295.0	9	.4	59	2.9
10	50.0	60	300.0	10	.5	60	3.0
11	55.0	61	305.0	11	.5	61	3.0
12	60.0	62	310.0	12	.5	62	3.1
13	65.0	63	315.0	13	.6	63	3.1
14	70.0	64	320.0	14	.7	64	3.2
15	75.0	65	325.0	15	.7	65	3.2
16	80.0	66	330.0	16	.8	66	3.3
17	85.0	67	335.0	17	.8	67	3.3
18	90.0	68	340.0	18	.9	68	3.4
19	95.0	69	345.0	19	.9	69	3.4
20	100.0	70	350.0	20	1.0	70	3.5
21	105.0	71	355.0	21	1.0	71	3.5
22	110.0	72	360.0	22	1.1	72	3.6
23	115.0	73	365.0	23	1.1	73	3.6
24	120.0	74	370.0	24	1.2	74	3.7
25	125.0	75	375.0	25	1.2	75	3.7
26	130.0	76	380.0	26	1.3	76	3.8
27	135.0	77	385.0	27	1.3	77	3.8
28	140.0	78	390.0	28	1.4	78	3.9
29	145.0	79	395.0	29	1.4	79	3.9
30	150.0	80	400.0	30	1.5	80	4.0
31	155.0	81	405.0	31	1.5	81	4.0
32	160.0	82	410.0	32	1.6	82	4.1
33	165.0	83	415.0	33	1.6	83	4.1
34	170.0	84	420.0	34	1.7	84	4.2
35	175.0	85	425.0	35	1.7	85	4.2
36	180.0	86	430.0	36	1.8	86	4.3
37	185.0	87	435.0	37	1.8	87	4.3
38	190.0	88	440.0	38	1.9	88	4.4
39	195.0	89	445.0	39	1.9	89	4.4
40	200.0	90	450.0	40	2.0	90	4.5
41	205.0	91	455.0	41	2.0	91	4.5
42	210.0	92	460.0	42	2.1	92	4.6
43	215.0	93	465.0	43	2.1	93	4.6
44	220.0	94	470.0	44	2.2	94	4.7
45	225.0	95	475.0	45	2.2	95	4.7
46	230.0	96	480.0	46	2.3	96	4.8
47	235.0	97	485.0	47	2.3	97	4.8
48	240.0	98	490.0	48	2.4	98	4.9
49	245.0	99	495.0	49	2.4	99	4.9
50	250.0	100	500.0	50	2.5	100	5.0

5.1 PER CENT. TEST.

51

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	5.1	51	260.1	1	.....	51	2.6
2	10.2	52	205.2	2	.1	52	2.6
3	15.3	53	270.3	3	.1	53	2.7
4	20.4	54	275.4	4	.2	54	2.7
5	25.5	55	280.5	5	.2	55	2.8
6	30.6	56	285.6	6	.3	56	2.8
7	35.7	57	290.7	7	.3	57	2.9
8	40.8	58	295.8	8	.4	58	2.9
9	45.9	59	300.9	9	.4	59	3.0
10	51.0	60	306.0	10	.5	60	3.0
11	56.1	61	311.1	11	.5	61	3.1
12	61.2	62	316.2	12	.6	62	3.1
13	66.3	63	321.3	13	.6	63	3.2
14	71.4	64	326.4	14	.7	64	3.2
15	76.5	65	331.5	15	.7	65	3.3
16	81.6	66	336.6	16	.8	66	3.3
17	86.7	67	341.7	17	.8	67	3.4
18	91.8	68	346.8	18	.9	68	3.4
19	96.9	69	351.9	19	.9	69	3.5
20	102.0	70	357.0	20	1.0	70	3.6
21	107.1	71	362.1	21	1.1	71	3.6
22	112.2	72	367.2	22	1.1	72	3.7
23	117.3	73	372.3	23	1.2	73	3.7
24	122.4	74	377.4	24	1.2	74	3.8
25	127.5	75	382.5	25	1.3	75	3.8
26	132.6	76	387.6	26	1.3	76	3.9
27	137.7	77	392.7	27	1.4	77	3.9
28	142.8	78	397.8	28	1.4	78	4.0
29	147.9	79	402.9	29	1.5	79	4.0
30	153.0	80	408.0	30	1.5	80	4.1
31	158.1	81	413.1	31	1.6	81	4.1
32	163.2	82	418.2	32	1.6	82	4.2
33	168.3	83	423.3	33	1.7	83	4.2
34	173.4	84	428.4	34	1.7	84	4.3
35	178.5	85	433.5	35	1.8	85	4.3
36	183.6	86	438.6	36	1.8	86	4.4
37	188.7	87	443.7	37	1.9	87	4.4
38	193.8	88	448.8	38	1.9	88	4.5
39	198.9	89	453.9	39	2.0	89	4.5
40	204.0	90	459.0	40	2.0	90	4.6
41	209.1	91	464.1	41	2.1	91	4.6
42	214.2	92	469.2	42	2.1	92	4.7
43	219.3	93	474.3	43	2.2	93	4.7
44	224.4	94	479.4	44	2.2	94	4.8
45	229.5	95	484.5	45	2.3	95	4.8
46	234.6	96	489.6	46	2.3	96	4.9
47	239.7	97	494.7	47	2.4	97	4.9
48	244.8	98	499.8	48	2.4	98	5.0
49	249.9	99	504.9	49	2.5	99	5.0
50	255.0	100	510.0	50	2.5	100	5.1

5.2 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	5.2	51	265.2	1	.....	51	2.6
2	10.4	52	270.4	2	.1	52	2.7
3	15.6	53	275.6	3	.1	53	2.7
4	20.8	54	280.8	4	.2	54	2.8
5	26.0	55	286.0	5	.2	55	2.8
6	31.2	56	291.2	6	.3	56	2.9
7	36.4	57	296.4	7	.3	57	2.9
8	41.6	58	301.6	8	.4	58	3.0
9	46.8	59	306.8	9	.4	59	3.0
10	52.0	60	312.0	10	.5	60	3.1
11	57.2	61	317.2	11	.6	61	3.2
12	62.4	62	322.4	12	.6	62	3.2
13	67.6	63	327.6	13	.7	63	3.3
14	72.8	64	332.8	14	.7	64	3.3
15	78.0	65	338.0	15	.8	65	3.4
16	83.2	66	343.2	16	.8	66	3.4
17	88.4	67	348.4	17	.9	67	3.5
18	93.6	68	353.6	18	.9	68	3.5
19	98.8	69	358.8	19	1.0	69	3.6
20	104.0	70	364.0	20	1.0	70	3.6
21	109.2	71	369.2	21	1.1	71	3.7
22	114.4	72	374.4	22	1.1	72	3.7
23	119.6	73	379.6	23	1.2	73	3.8
24	124.8	74	384.8	24	1.2	74	3.8
25	130.0	75	390.0	25	1.3	75	3.9
26	135.2	76	395.2	26	1.3	76	3.9
27	140.4	77	400.4	27	1.4	77	4.0
28	145.6	78	405.6	28	1.4	78	4.0
29	150.8	79	410.8	29	1.5	79	4.1
30	156.0	80	416.0	30	1.5	80	4.1
31	161.2	81	421.2	31	1.6	81	4.2
32	166.4	82	426.4	32	1.6	82	4.2
33	171.6	83	431.6	33	1.7	83	4.3
34	176.8	84	436.8	34	1.7	84	4.3
35	182.0	85	442.0	35	1.8	85	4.4
36	187.2	86	447.2	36	1.9	86	4.5
37	192.4	87	452.4	37	1.9	87	4.5
38	197.6	88	457.6	38	2.0	88	4.6
39	202.8	89	462.8	39	2.0	89	4.6
40	208.0	90	468.0	40	2.1	90	4.7
41	213.2	91	473.2	41	2.1	91	4.7
42	218.4	92	478.4	42	2.2	92	4.8
43	223.6	93	483.6	43	2.2	93	4.8
44	228.8	94	488.8	44	2.3	94	4.9
45	234.0	95	494.0	45	2.3	95	4.9
46	239.2	96	499.2	46	2.4	96	5.0
47	244.4	97	504.4	47	2.4	97	5.0
48	249.6	98	509.6	48	2.5	98	5.1
49	254.8	99	514.8	49	2.5	99	5.1
50	260.0	100	520.0	50	2.6	100	5.2

5.3 PER CENT. TEST.

55

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	5.3	51	270.3	1	.....	51	2.7
2	10.6	52	275.6	2	.1	52	2.7
3	15.9	53	280.9	3	.1	53	2.8
4	21.2	54	286.2	4	.2	54	2.8
5	26.5	55	291.5	5	.2	55	2.9
6	31.8	56	296.8	6	.3	56	2.9
7	37.1	57	302.1	7	.4	57	3.0
8	42.4	58	307.4	8	.4	58	3.1
9	47.7	59	312.7	9	.5	59	3.1
10	53.0	60	318.0	10	.5	60	3.2
11	58.3	61	323.3	11	.6	61	3.2
12	63.6	62	328.6	12	.6	62	3.3
13	68.9	63	333.9	13	.7	63	3.3
14	74.2	64	339.2	14	.7	64	3.4
15	79.5	65	344.5	15	.8	65	3.4
16	84.8	66	349.8	16	.8	66	3.5
17	90.1	67	355.1	17	.9	67	3.5
18	95.4	68	360.4	18	.9	68	3.6
19	100.7	69	365.7	19	1.0	69	3.6
20	106.0	70	371.0	20	1.0	70	3.7
21	111.3	71	376.3	21	1.1	71	3.7
22	116.6	72	381.6	22	1.1	72	3.8
23	121.9	73	386.9	23	1.2	73	3.8
24	127.2	74	392.2	24	1.3	74	3.9
25	132.5	75	397.5	25	1.3	75	4.0
26	137.8	76	402.8	26	1.4	76	4.0
27	143.1	77	408.1	27	1.4	77	4.1
28	148.4	78	413.4	28	1.5	78	4.1
29	153.7	79	418.7	29	1.5	79	4.2
30	159.0	80	424.0	30	1.6	80	4.2
31	164.3	81	429.3	31	1.6	81	4.3
32	169.6	82	434.6	32	1.7	82	4.3
33	174.9	83	439.9	33	1.7	83	4.4
34	180.2	84	445.2	34	1.8	84	4.4
35	185.5	85	450.5	35	1.8	85	4.5
36	190.8	86	455.8	36	1.9	86	4.5
37	196.1	87	461.1	37	1.9	87	4.6
38	201.4	88	466.4	38	2.0	88	4.6
39	206.7	89	471.7	39	2.0	89	4.7
40	212.0	90	477.0	40	2.1	90	4.8
41	217.3	91	482.3	41	2.2	91	4.8
42	222.6	92	487.6	42	2.2	92	4.9
43	227.9	93	492.9	43	2.3	93	4.9
44	233.2	94	498.2	44	2.3	94	5.0
45	238.5	95	503.5	45	2.4	95	5.0
46	243.8	96	508.8	46	2.4	96	5.1
47	249.1	97	514.1	47	2.5	97	5.1
48	254.4	98	519.4	48	2.5	98	5.2
49	259.7	99	524.7	49	2.6	99	5.2
50	265.0	100	530.0	50	2.6	100	5.3

5.4 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	5.4	51	275.4	1	.....	51	2.7
2	10.8	52	280.8	2	.1	52	2.8
3	16.2	53	286.2	3	.1	53	2.8
4	21.6	54	291.6	4	.2	54	2.9
5	27.0	55	297.0	5	.3	55	3.0
6	32.4	56	302.4	6	.3	56	3.0
7	37.8	57	307.8	7	.4	57	3.1
8	43.2	58	313.2	8	.4	58	3.1
9	48.6	59	318.6	9	.5	59	3.2
10	54.0	60	324.0	10	.5	60	3.2
11	59.4	61	329.4	11	.6	61	3.3
12	64.8	62	334.8	12	.6	62	3.3
13	70.2	63	340.2	13	.7	63	3.4
14	75.6	64	345.6	14	.7	64	3.4
15	81.0	65	351.0	15	.8	65	3.5
16	86.4	66	356.4	16	.8	66	3.5
17	91.8	67	361.8	17	.9	67	3.6
18	97.2	68	367.2	18	1.0	68	3.7
19	102.6	69	372.6	19	1.0	69	3.7
20	108.0	70	378.0	20	1.1	70	3.8
21	113.4	71	383.4	21	1.1	71	3.8
22	118.8	72	388.8	22	1.2	72	3.9
23	124.2	73	394.2	23	1.2	73	3.9
24	129.6	74	399.6	24	1.3	74	4.0
25	135.0	75	405.0	25	1.3	75	4.0
26	140.4	76	410.4	26	1.4	76	4.1
27	145.8	77	415.8	27	1.4	77	4.1
28	151.2	78	421.2	28	1.5	78	4.2
29	156.6	79	426.6	29	1.5	79	4.2
30	162.0	80	432.0	30	1.6	80	4.3
31	167.4	81	437.4	31	1.7	81	4.4
32	172.8	82	442.8	32	1.7	82	4.4
33	178.2	83	448.2	33	1.8	83	4.5
34	183.6	84	453.6	34	1.8	84	4.5
35	189.0	85	459.0	35	1.9	85	4.6
36	194.4	86	464.4	36	1.9	86	4.6
37	199.8	87	469.8	37	2.0	87	4.7
38	205.2	88	475.2	38	2.0	88	4.7
39	210.6	89	480.6	39	2.1	89	4.8
40	216.0	90	486.0	40	2.1	90	4.8
41	221.4	91	491.4	41	2.2	91	4.9
42	226.8	92	496.8	42	2.2	92	4.9
43	232.2	93	502.2	43	2.3	93	5.0
44	237.6	94	507.6	44	2.4	94	5.1
45	243.0	95	513.0	45	2.4	95	5.1
46	248.4	96	518.4	46	2.5	96	5.2
47	253.8	97	523.8	47	2.5	97	5.2
48	259.2	98	529.2	48	2.6	98	5.3
49	264.6	99	534.6	49	2.6	99	5.3
50	270.0	100	540.0	50	2.7	100	5.4

5.5 PER CENT. TEST.

55

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	5.5	51	280.5	1	.....	51	2.8
2	11.0	52	286.0	2	.1	52	2.8
3	16.5	53	291.5	3	.1	53	2.9
4	22.0	54	297.0	4	.2	54	3.0
5	27.5	55	302.5	5	.3	55	3.0
6	33.0	56	308.0	6	.3	56	3.1
7	38.5	57	313.5	7	.4	57	3.1
8	44.0	58	319.0	8	.4	58	3.2
9	49.5	59	324.5	9	.5	59	3.2
10	55.0	60	330.0	10	.5	60	3.3
11	60.5	61	335.5	11	.6	61	3.3
12	66.0	62	341.0	12	.6	62	3.4
13	71.5	63	346.5	13	.7	63	3.4
14	77.0	64	352.0	14	.8	64	3.5
15	82.5	65	357.5	15	.8	65	3.6
16	88.0	66	363.0	16	.9	66	3.6
17	93.5	67	368.5	17	.9	67	3.7
18	99.0	68	374.0	18	1.0	68	3.7
19	104.5	69	379.5	19	1.0	69	3.8
20	110.0	70	385.0	20	1.1	70	3.8
21	115.5	71	390.5	21	1.1	71	3.9
22	121.0	72	396.0	22	1.2	72	3.9
23	126.5	73	401.5	23	1.2	73	4.0
24	132.0	74	407.0	24	1.3	74	4.1
25	137.5	75	412.5	25	1.4	75	4.1
26	143.0	76	418.0	26	1.4	76	4.2
27	148.5	77	423.5	27	1.5	77	4.2
28	154.0	78	429.0	28	1.5	78	4.3
29	159.5	79	434.5	29	1.6	79	4.3
30	165.0	80	440.0	30	1.6	80	4.4
31	170.5	81	445.5	31	1.7	81	4.4
32	176.0	82	451.0	32	1.7	82	4.5
33	181.5	83	456.5	33	1.8	83	4.5
34	187.0	84	462.0	34	1.9	84	4.6
35	192.5	85	467.5	35	1.9	85	4.6
36	198.0	86	473.0	36	2.0	86	4.7
37	203.5	87	478.5	37	2.0	87	4.8
38	209.0	88	484.0	38	2.1	88	4.8
39	214.5	89	489.5	39	2.1	89	4.9
40	220.0	90	495.0	40	2.2	90	4.9
41	225.5	91	500.5	41	2.2	91	5.0
42	231.0	92	506.0	42	2.3	92	5.0
43	236.5	93	511.5	43	2.3	93	5.1
44	242.0	94	517.0	44	2.4	94	5.2
45	247.5	95	522.5	45	2.5	95	5.2
46	253.0	96	528.0	46	2.5	96	5.3
47	258.5	97	533.5	47	2.6	97	5.3
48	264.0	98	539.0	48	2.6	98	5.4
49	269.5	99	544.5	49	2.7	99	5.4
50	275.0	100	550.0	50	2.7	100	5.5

5.6 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	5.6	51	285.6	1	.....	51	2.8
2	11.2	52	291.2	2	.1	52	2.9
3	16.8	53	296.8	3	.1	53	2.9
4	22.4	54	302.4	4	.2	54	3.0
5	28.0	55	308.0	5	.3	55	3.1
6	33.6	56	313.6	6	.3	56	3.1
7	39.2	57	319.2	7	.4	57	3.2
8	44.8	58	324.8	8	.4	58	3.2
9	50.4	59	330.4	9	.5	59	3.3
10	56.0	60	336.0	10	.5	60	3.3
11	61.6	61	341.6	11	.6	61	3.4
12	67.2	62	347.2	12	.7	62	3.5
13	72.8	63	352.8	13	.7	63	3.5
14	78.4	64	358.4	14	.8	64	3.6
15	84.0	65	364.0	15	.8	65	3.6
16	89.6	66	369.6	16	.9	66	3.7
17	95.2	67	375.2	17	.9	67	3.7
18	100.8	68	380.8	18	1.0	68	3.8
19	106.4	69	386.4	19	1.0	69	3.8
20	112.0	70	392.0	20	1.1	70	3.9
21	117.6	71	397.6	21	1.2	71	4.0
22	123.2	72	403.2	22	1.2	72	4.0
23	128.8	73	408.8	23	1.3	73	4.1
24	134.4	74	414.4	24	1.3	74	4.1
25	140.0	75	420.0	25	1.4	75	4.2
26	145.6	76	425.6	26	1.4	76	4.2
27	151.2	77	431.2	27	1.5	77	4.3
28	156.8	78	436.8	28	1.5	78	4.3
29	162.4	79	442.4	29	1.6	79	4.4
30	168.0	80	448.0	30	1.7	80	4.5
31	173.6	81	453.6	31	1.7	81	4.5
32	179.2	82	459.2	32	1.8	82	4.6
33	184.8	83	464.8	33	1.8	83	4.6
34	190.4	84	470.4	34	1.9	84	4.7
35	196.0	85	476.0	35	1.9	85	4.7
36	201.6	86	481.6	36	2.0	86	4.8
37	207.2	87	487.2	37	2.1	87	4.9
38	212.8	88	492.8	38	2.1	88	4.9
39	218.4	89	498.4	39	2.2	89	5.0
40	224.0	90	504.0	40	2.2	90	5.0
41	229.6	91	509.6	41	2.3	91	5.1
42	235.2	92	515.2	42	2.3	92	5.1
43	240.8	93	520.8	43	2.4	93	5.2
44	246.4	94	526.4	44	2.4	94	5.2
45	252.0	95	532.0	45	2.5	95	5.3
46	257.6	96	537.6	46	2.6	96	5.4
47	263.2	97	543.2	47	2.6	97	5.4
48	268.8	98	548.8	48	2.7	98	5.5
49	274.4	99	554.4	49	2.7	99	5.5
50	280.0	100	560.0	50	2.8	100	5.6

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	5.7	51	290.7	1	.....	51	2.9
2	11.4	52	296.4	2	.1	52	2.9
3	17.1	53	302.1	3	.2	53	3.0
4	22.8	54	307.8	4	.2	54	3.1
5	28.5	55	313.5	5	.3	55	3.1
6	34.2	56	319.2	6	.3	56	3.2
7	39.9	57	324.9	7	.4	57	3.2
8	45.6	58	330.6	8	.4	58	3.3
9	51.3	59	336.3	9	.5	59	3.3
10	57.0	60	342.0	10	.6	60	3.4
11	62.7	61	347.7	11	.6	61	3.5
12	68.4	62	353.4	12	.7	62	3.5
13	74.1	63	359.1	13	.7	63	3.6
14	79.8	64	364.8	14	.8	64	3.6
15	85.5	65	370.5	15	.8	65	3.7
16	91.2	66	376.2	16	.9	66	3.7
17	96.9	67	381.9	17	.9	67	3.8
18	102.6	68	387.6	18	1.0	68	3.9
19	108.3	69	393.3	19	1.1	69	3.9
20	114.0	70	399.0	20	1.1	70	4.0
21	119.7	71	404.7	21	1.2	71	4.0
22	125.4	72	410.4	22	1.2	72	4.1
23	131.1	73	416.1	23	1.3	73	4.1
24	136.8	74	421.8	24	1.3	74	4.2
25	142.5	75	427.5	25	1.4	75	4.3
26	148.2	76	433.2	26	1.5	76	4.3
27	153.9	77	438.9	27	1.5	77	4.4
28	159.6	78	444.6	28	1.6	78	4.4
29	165.3	79	450.3	29	1.6	79	4.5
30	171.0	80	456.0	30	1.7	80	4.5
31	176.7	81	461.7	31	1.7	81	4.6
32	182.4	82	467.4	32	1.8	82	4.7
33	188.1	83	473.1	33	1.9	83	4.7
34	193.8	84	478.8	34	1.9	84	4.8
35	199.5	85	484.5	35	2.0	85	4.8
36	205.2	86	490.2	36	2.0	86	4.9
37	210.9	87	495.9	37	2.1	87	4.9
38	216.6	88	501.6	38	2.1	88	5.0
39	222.3	89	507.3	39	2.2	89	5.1
40	228.0	90	513.0	40	2.3	90	5.1
41	233.7	91	518.7	41	2.3	91	5.2
42	239.4	92	524.4	42	2.4	92	5.2
43	245.1	93	530.1	43	2.4	93	5.3
44	250.8	94	535.8	44	2.5	94	5.3
45	256.5	95	541.5	45	2.5	95	5.4
46	262.2	96	547.2	46	2.6	96	5.5
47	267.9	97	552.9	47	2.7	97	5.5
48	273.6	98	558.6	48	2.7	98	5.6
49	279.3	99	564.3	49	2.8	99	5.6
50	285.0	100	570.0	50	2.8	100	5.7

5.8 PER CENT. TEST.

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	5.8	51	295.8	1	.....	51	2.9
2	11.6	52	301.6	2	.1	52	3.0
3	17.4	53	307.4	3	.2	53	3.1
4	23.2	54	313.2	4	.2	54	3.1
5	29.0	55	319.0	5	.3	55	3.2
6	34.8	56	324.8	6	.3	56	3.2
7	40.6	57	330.6	7	.4	57	3.3
8	46.4	58	336.4	8	.4	58	3.3
9	52.2	59	342.2	9	.5	59	3.4
10	58.0	60	348.0	10	.6	60	3.5
11	63.8	61	353.8	11	.6	61	3.5
12	69.6	62	359.6	12	.7	62	3.6
13	75.4	63	365.4	13	.7	63	3.6
14	81.2	64	371.2	14	.8	64	3.7
15	87.0	65	377.0	15	.9	65	3.8
16	92.8	66	382.8	16	.9	66	3.8
17	98.6	67	388.6	17	1.0	67	3.9
18	104.4	68	394.4	18	1.0	68	3.9
19	110.2	69	400.2	19	1.1	69	4.0
20	116.0	70	406.0	20	1.1	70	4.0
21	121.8	71	411.8	21	1.2	71	4.1
22	127.6	72	417.6	22	1.3	72	4.2
23	133.4	73	423.4	23	1.3	73	4.2
24	139.2	74	429.2	24	1.4	74	4.3
25	145.0	75	435.0	25	1.4	75	4.3
26	150.8	76	440.8	26	1.5	76	4.4
27	156.6	77	446.6	27	1.5	77	4.4
28	162.4	78	452.4	28	1.6	78	4.5
29	168.2	79	458.2	29	1.7	79	4.6
30	174.0	80	464.0	30	1.7	80	4.6
31	179.8	81	469.8	31	1.8	81	4.7
32	185.6	82	475.6	32	1.8	82	4.7
33	191.4	83	481.4	33	1.9	83	4.8
34	197.2	84	487.2	34	2.0	84	4.9
35	203.0	85	493.0	35	2.0	85	4.9
36	208.8	86	498.8	36	2.1	86	5.0
37	214.6	87	504.6	37	2.1	87	5.0
38	220.4	88	510.4	38	2.2	88	5.1
39	226.2	89	516.2	39	2.2	89	5.1
40	232.0	90	522.0	40	2.3	90	5.2
41	237.8	91	527.8	41	2.4	91	5.3
42	243.6	92	533.6	42	2.4	92	5.3
43	249.4	93	539.4	43	2.5	93	5.4
44	255.2	94	545.2	44	2.5	94	5.4
45	261.0	95	551.0	45	2.6	95	5.5
46	266.8	96	556.8	46	2.6	96	5.5
47	272.6	97	562.6	47	2.7	97	5.6
48	278.4	98	568.4	48	2.8	98	5.7
49	284.2	99	574.2	49	2.8	99	5.7
50	290.0	100	580.0	50	2.9	100	5.8

MILK.	FAT.	MILK.	FAT.	MILK.	FAT.	MILK.	FAT.
1	5.9	51	300.9	1	.....	51	3.0
2	11.8	52	306.8	2	.1	52	3.0
3	17.7	53	312.7	3	.2	53	3.1
4	23.6	54	318.6	4	.2	54	3.2
5	29.5	55	324.5	5	.3	55	3.2
6	35.4	56	330.4	6	.3	56	3.3
7	41.3	57	336.3	7	.4	57	3.3
8	47.2	58	342.2	8	.5	58	3.4
9	53.1	59	348.1	9	.5	59	3.5
10	59.0	60	354.0	10	.6	60	3.5
11	64.9	61	359.9	11	.6	61	3.6
12	70.8	62	365.8	12	.7	62	3.6
13	76.7	63	371.7	13	.7	63	3.7
14	82.6	64	377.6	14	.8	64	3.8
15	88.5	65	383.5	15	.9	65	3.8
16	94.4	66	389.4	16	.9	66	3.9
17	100.3	67	395.3	17	1.0	67	3.9
18	106.2	68	401.2	18	1.0	68	4.0
19	112.1	69	407.1	19	1.1	69	4.1
20	118.0	70	413.0	20	1.2	70	4.1
21	123.9	71	418.9	21	1.2	71	4.2
22	129.8	72	424.8	22	1.3	72	4.2
23	135.7	73	430.7	23	1.3	73	4.3
24	141.6	74	436.6	24	1.4	74	4.3
25	147.5	75	442.5	25	1.5	75	4.4
26	153.4	76	448.4	26	1.5	76	4.5
27	159.3	77	454.3	27	1.6	77	4.5
28	165.2	78	460.2	28	1.6	78	4.6
29	171.1	79	466.1	29	1.7	79	4.6
30	177.0	80	472.0	30	1.8	80	4.7
31	182.9	81	477.9	31	1.8	81	4.8
32	188.8	82	483.8	32	1.9	82	4.8
33	194.7	83	489.7	33	1.9	83	4.9
34	200.6	84	495.6	34	2.0	84	4.9
35	206.5	85	501.5	35	2.0	85	5.0
36	212.4	86	507.4	36	2.1	86	5.1
37	218.3	87	513.3	37	2.2	87	5.1
38	224.2	88	519.2	38	2.2	88	5.2
39	230.1	89	525.1	39	2.3	89	5.2
40	236.0	90	531.0	40	2.3	90	5.3
41	241.9	91	536.9	41	2.4	91	5.3
42	247.8	92	542.8	42	2.5	92	5.4
43	253.7	93	548.7	43	2.5	93	5.5
44	259.6	94	554.6	44	2.6	94	5.5
45	265.5	95	560.5	45	2.6	95	5.6
46	271.4	96	566.4	46	2.7	96	5.6
47	277.3	97	572.3	47	2.8	97	5.7
48	283.2	98	578.2	48	2.8	98	5.8
49	289.1	99	584.1	49	2.9	99	5.8
50	295.0	100	590.0	50	2.9	100	5.9

MONEY CALCULATING TABLES.

14 Cent Table.

$14 \times 1 = 14$
$14 \times 2 = 28$
$14 \times 3 = 42$
$14 \times 4 = 56$
$14 \times 5 = 70$
$14 \times 6 = 84$
$14 \times 7 = 98$
$14 \times 8 = 112$
$14 \times 9 = 126$

16 Cent Table.

$16 \times 1 = 16$
$16 \times 2 = 32$
$16 \times 3 = 48$
$16 \times 4 = 64$
$16 \times 5 = 80$
$16 \times 6 = 96$
$16 \times 7 = 112$
$16 \times 8 = 128$
$16 \times 9 = 144$

18 Cent Table.

$18 \times 1 = 18$
$18 \times 2 = 36$
$18 \times 3 = 54$
$18 \times 4 = 72$
$18 \times 5 = 90$
$18 \times 6 = 108$
$18 \times 7 = 126$
$18 \times 8 = 144$
$18 \times 9 = 162$

20 Cent Table.

$20 \times 1 = 20$
$20 \times 2 = 40$
$20 \times 3 = 60$
$20 \times 4 = 80$
$20 \times 5 = 100$
$20 \times 6 = 120$
$20 \times 7 = 140$
$20 \times 8 = 160$
$20 \times 9 = 180$

14½ Cent Table.

$145 \times 1 = 145$
$145 \times 2 = 290$
$145 \times 3 = 435$
$145 \times 4 = 580$
$145 \times 5 = 725$
$145 \times 6 = 870$
$145 \times 7 = 1015$
$145 \times 8 = 1160$
$145 \times 9 = 1305$

16½ Cent Table.

$165 \times 1 = 165$
$165 \times 2 = 330$
$165 \times 3 = 495$
$165 \times 4 = 660$
$165 \times 5 = 825$
$165 \times 6 = 990$
$165 \times 7 = 1155$
$165 \times 8 = 1320$
$165 \times 9 = 1485$

18½ Cent Table.

$185 \times 1 = 185$
$185 \times 2 = 370$
$185 \times 3 = 555$
$185 \times 4 = 740$
$185 \times 5 = 925$
$185 \times 6 = 1110$
$185 \times 7 = 1295$
$185 \times 8 = 1480$
$185 \times 9 = 1665$

20½ Cent Table.

$205 \times 1 = 205$
$205 \times 2 = 410$
$205 \times 3 = 615$
$205 \times 4 = 820$
$205 \times 5 = 1025$
$205 \times 6 = 1230$
$205 \times 7 = 1435$
$205 \times 8 = 1640$
$205 \times 9 = 1845$

15 Cent Table.

$15 \times 1 = 15$
$15 \times 2 = 30$
$15 \times 3 = 45$
$15 \times 4 = 60$
$15 \times 5 = 75$
$15 \times 6 = 90$
$15 \times 7 = 105$
$15 \times 8 = 120$
$15 \times 9 = 135$

17 Cent Table.

$17 \times 1 = 17$
$17 \times 2 = 34$
$17 \times 3 = 51$
$17 \times 4 = 68$
$17 \times 5 = 85$
$17 \times 6 = 102$
$17 \times 7 = 119$
$17 \times 8 = 136$
$17 \times 9 = 153$

19 Cent Table.

$19 \times 1 = 19$
$19 \times 2 = 38$
$19 \times 3 = 57$
$19 \times 4 = 76$
$19 \times 5 = 95$
$19 \times 6 = 114$
$19 \times 7 = 133$
$19 \times 8 = 152$
$19 \times 9 = 171$

21 Cent Table.

$21 \times 1 = 21$
$21 \times 2 = 42$
$21 \times 3 = 63$
$21 \times 4 = 84$
$21 \times 5 = 105$
$21 \times 6 = 126$
$21 \times 7 = 147$
$21 \times 8 = 168$
$21 \times 9 = 189$

15½ Cent Table.

$155 \times 1 = 155$
$155 \times 2 = 310$
$155 \times 3 = 465$
$155 \times 4 = 620$
$155 \times 5 = 775$
$155 \times 6 = 930$
$155 \times 7 = 1085$
$155 \times 8 = 1240$
$155 \times 9 = 1395$

17½ Cent Table.

$175 \times 1 = 175$
$175 \times 2 = 350$
$175 \times 3 = 525$
$175 \times 4 = 700$
$175 \times 5 = 875$
$175 \times 6 = 1050$
$175 \times 7 = 1225$
$175 \times 8 = 1400$
$175 \times 9 = 1575$

19½ Cent Table.

$195 \times 1 = 195$
$195 \times 2 = 390$
$195 \times 3 = 585$
$195 \times 4 = 780$
$195 \times 5 = 975$
$195 \times 6 = 1170$
$195 \times 7 = 1365$
$195 \times 8 = 1560$
$195 \times 9 = 1755$

21½ Cent Table.

$215 \times 1 = 215$
$215 \times 2 = 430$
$215 \times 3 = 645$
$215 \times 4 = 860$
$215 \times 5 = 1075$
$215 \times 6 = 1290$
$215 \times 7 = 1505$
$215 \times 8 = 1720$
$215 \times 9 = 1935$

22 Cent Table.

$22 \times 1 = 22$
 $22 \times 2 = 44$
 $22 \times 3 = 66$
 $22 \times 4 = 88$
 $22 \times 5 = 110$
 $22 \times 6 = 132$
 $22 \times 7 = 154$
 $22 \times 8 = 176$
 $22 \times 9 = 198$

24 Cent Table.

$24 \times 1 = 24$
 $24 \times 2 = 48$
 $24 \times 3 = 72$
 $24 \times 4 = 96$
 $24 \times 5 = 120$
 $24 \times 6 = 144$
 $24 \times 7 = 168$
 $24 \times 8 = 192$
 $24 \times 9 = 216$

26 Cent Table.

$26 \times 1 = 26$
 $26 \times 2 = 52$
 $26 \times 3 = 78$
 $26 \times 4 = 104$
 $26 \times 5 = 130$
 $26 \times 6 = 156$
 $26 \times 7 = 182$
 $26 \times 8 = 208$
 $26 \times 9 = 234$

28 Cent Table.

$28 \times 1 = 28$
 $28 \times 2 = 56$
 $28 \times 3 = 84$
 $28 \times 4 = 112$
 $28 \times 5 = 140$
 $28 \times 6 = 168$
 $28 \times 7 = 196$
 $28 \times 8 = 224$
 $28 \times 9 = 252$

22½ Cent Table.

$225 \times 1 = 225$
 $225 \times 2 = 450$
 $225 \times 3 = 675$
 $225 \times 4 = 900$
 $225 \times 5 = 1125$
 $225 \times 6 = 1350$
 $225 \times 7 = 1575$
 $225 \times 8 = 1800$
 $225 \times 9 = 2025$

24½ Cent Table.

$245 \times 1 = 245$
 $245 \times 2 = 490$
 $245 \times 3 = 735$
 $245 \times 4 = 980$
 $245 \times 5 = 1225$
 $245 \times 6 = 1470$
 $245 \times 7 = 1715$
 $245 \times 8 = 1960$
 $245 \times 9 = 2205$

26½ Cent Table.

$265 \times 1 = 265$
 $265 \times 2 = 530$
 $265 \times 3 = 795$
 $265 \times 4 = 1060$
 $265 \times 5 = 1325$
 $265 \times 6 = 1590$
 $265 \times 7 = 1855$
 $265 \times 8 = 2120$
 $265 \times 9 = 2385$

28½ Cent Table.

$285 \times 1 = 285$
 $285 \times 2 = 570$
 $285 \times 3 = 855$
 $285 \times 4 = 1140$
 $285 \times 5 = 1425$
 $285 \times 6 = 1710$
 $285 \times 7 = 1995$
 $285 \times 8 = 2280$
 $285 \times 9 = 2565$

23 Cent Table.

$23 \times 1 = 23$
 $23 \times 2 = 46$
 $23 \times 3 = 69$
 $23 \times 4 = 92$
 $23 \times 5 = 115$
 $23 \times 6 = 138$
 $23 \times 7 = 161$
 $23 \times 8 = 184$
 $23 \times 9 = 207$

25 Cent Table.

$25 \times 1 = 25$
 $25 \times 2 = 50$
 $25 \times 3 = 75$
 $25 \times 4 = 100$
 $25 \times 5 = 125$
 $25 \times 6 = 150$
 $25 \times 7 = 175$
 $25 \times 8 = 200$
 $25 \times 9 = 225$

27 Cent Table.

$27 \times 1 = 27$
 $27 \times 2 = 54$
 $27 \times 3 = 81$
 $27 \times 4 = 108$
 $27 \times 5 = 135$
 $27 \times 6 = 162$
 $27 \times 7 = 189$
 $27 \times 8 = 216$
 $27 \times 9 = 243$

29 Cent Table.

$29 \times 1 = 29$
 $29 \times 2 = 58$
 $29 \times 3 = 87$
 $29 \times 4 = 116$
 $29 \times 5 = 145$
 $29 \times 6 = 174$
 $29 \times 7 = 203$
 $29 \times 8 = 232$
 $29 \times 9 = 261$

23½ Cent Table.

$235 \times 1 = 235$
 $235 \times 2 = 470$
 $235 \times 3 = 705$
 $235 \times 4 = 940$
 $235 \times 5 = 1175$
 $235 \times 6 = 1410$
 $235 \times 7 = 1645$
 $235 \times 8 = 1880$
 $235 \times 9 = 2115$

25½ Cent Table.

$255 \times 1 = 255$
 $255 \times 2 = 510$
 $255 \times 3 = 765$
 $255 \times 4 = 1020$
 $255 \times 5 = 1275$
 $255 \times 6 = 1530$
 $255 \times 7 = 1785$
 $255 \times 8 = 2040$
 $255 \times 9 = 2295$

27½ Cent Table.

$275 \times 1 = 275$
 $275 \times 2 = 550$
 $275 \times 3 = 825$
 $275 \times 4 = 1100$
 $275 \times 5 = 1375$
 $275 \times 6 = 1650$
 $275 \times 7 = 1925$
 $275 \times 8 = 2200$
 $275 \times 9 = 2475$

29½ Cent Table.

$295 \times 1 = 295$
 $295 \times 2 = 590$
 $295 \times 3 = 885$
 $295 \times 4 = 1180$
 $295 \times 5 = 1475$
 $295 \times 6 = 1770$
 $295 \times 7 = 2065$
 $295 \times 8 = 2360$
 $295 \times 9 = 2655$

DIRECTIONS FOR MAKING DIVIDENDS

In Creameries and Cheese Factories According to the Per Cents. of Fat in Milk Delivered, as Recommended by Dr. Babcock.

Find the amount of fat contained in the milk of each patron for any period desired by multiplying the pounds of milk expressed in hundreds by the per cent. of fat found by the test. Add the amount of fat from all the patrons together, thus obtaining the total pounds of fat delivered at the factory. Deduct the expenses of manufacture, etc., from the money received from sales and divide the remainder by the total fat. This gives the price to be paid for each pound of fat. Multiply the pounds of fat delivered by each patron by the price; the product will be the amount which he is to receive.

If it is desired to know the number of pounds of butter made from each patron's milk, divide the total yield of butter by the total fat delivered, the quotient will be the amount of butter made from one pound of fat. The fat delivered by each patron multiplied by the ratio will give the pounds of butter to be credited to each patron.

The accompanying table gives the butter yield from 100 lbs. of milk when the pounds of butter from 1 lb. of fat range from 1.10 to 1.20, and for milks containing from 3 to 5.5 per cent. of fat. To use the table find in the upper horizontal line the number corresponding most nearly to the number of pounds of butter from 1 lb. of fat; the vertical column in which this falls gives the pounds of butter from 100 lbs. of milk containing the per cent. of fat given in the outside columns.

EXAMPLE: A creamery receives during one month 250,000 lbs. of milk which contained 9,531 lbs. of fat; the yield of butter for the same period was 10,983 lbs., which sold for 29 cents per pound, bringing \$3,185.07. The expense for making, etc., was four cents per pound, amounting to \$439.32, leaving \$2,745.75 to be divided among the patrons. Dividing this sum by 9,531, the total pounds of fat, gives \$.288 per pound for the fat. This multiplied by the number of pounds of fat in each patron's milk gives the amount which he should be paid.

The number of pounds of butter, 10,983, divided by 9,531, the number of pounds of fat, gives 1.152 lbs. of butter from each pound of fat. The column headed 1.15 in the table is nearest to this ratio and will therefore give the butter obtained from 100 lbs. of milk containing different per cents. of fat.

If a patron delivered 9,420 lbs. of milk containing 3.2 per cent. of fat during the period considered, his milk would have contained 301.44 lbs. of fat, which, at 28.8 cents per pound, would have amounted to \$86.81. It would have made 301.44×1.152 , 347.26 lbs. of butter. In the column headed 1.15 in the table, opposite 3.2 per cent. of fat, we find 3.68, which is the number of pounds of butter from 100 lbs. of this patron's milk. The error from the use of the table in this way will never amount to more than $\frac{1}{2}$ oz. per 100 lbs. of milk.

SURPLUS BUTTER TABLE.

CHURN YIELD.

PER CENT. OF FAT.	CHURN YIELD.										PER CENT. OF FAT.	
	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.20	
3.0	3.30	3.33	3.36	3.39	3.42	3.45	3.48	3.51	3.54	3.57	3.60	3.0
3.1	3.41	3.441	3.472	3.503	3.534	3.565	3.596	3.627	3.658	3.689	3.72	3.1
3.2	3.52	3.552	3.584	3.613	3.648	3.680	3.712	3.744	3.776	3.808	3.84	3.2
3.3	3.63	3.663	3.696	3.729	3.762	3.795	3.828	3.861	3.894	3.927	3.96	3.3
3.4	3.74	3.774	3.808	3.842	3.876	3.910	3.944	3.978	4.012	4.046	4.08	3.4
3.5	3.85	3.885	3.920	3.955	3.990	4.025	4.060	4.095	4.130	4.165	4.20	3.5
3.6	3.96	3.996	4.032	4.068	4.104	4.140	4.176	4.212	4.248	4.281	4.32	3.6
3.7	4.07	4.107	4.144	4.181	4.218	4.255	4.292	4.329	4.366	4.403	4.44	3.7
3.8	4.18	4.218	4.256	4.294	4.332	4.370	4.408	4.446	4.484	4.522	4.56	3.8
3.9	4.29	4.329	4.368	4.407	4.446	4.485	4.524	4.563	4.602	4.641	4.68	3.9
4.0	4.40	4.440	4.480	4.520	4.560	4.600	4.640	4.680	4.720	4.760	4.80	4.0
4.1	4.51	4.551	4.592	4.633	4.674	4.715	4.756	4.797	4.838	4.879	4.92	4.1
4.2	4.62	4.662	4.704	4.746	4.788	4.830	4.872	4.914	4.956	4.998	5.04	4.2
4.3	4.73	4.773	4.816	4.859	4.902	4.945	4.988	5.031	5.074	5.117	5.16	4.3
4.4	4.84	4.884	4.928	4.972	5.016	5.060	5.104	5.148	5.192	5.236	5.28	4.4
4.5	4.95	4.995	5.040	5.085	5.130	5.175	5.220	5.265	5.310	5.355	5.40	4.5
4.6	5.06	5.106	5.152	5.198	5.244	5.295	5.336	5.382	5.428	5.474	5.52	4.6
4.7	5.17	5.217	5.264	5.311	5.358	5.405	5.452	5.499	5.546	5.593	5.64	4.7
4.8	5.28	5.328	5.376	5.424	5.472	5.520	5.568	5.616	5.664	5.712	5.76	4.8
4.9	5.39	5.439	5.488	5.537	5.586	5.635	5.684	5.733	5.782	5.831	5.88	4.9
5.0	5.50	5.550	5.600	5.650	5.700	5.750	5.800	5.850	5.900	5.950	6.00	5.0
5.1	5.61	5.661	5.712	5.763	5.814	5.865	5.916	5.967	6.018	6.069	6.12	5.1
5.2	5.72	5.772	5.824	5.876	5.928	5.980	6.032	6.084	6.136	6.188	6.24	5.2
5.3	5.83	5.883	5.936	5.989	6.042	6.095	6.148	6.201	6.254	6.307	6.36	5.3
5.4	5.94	5.994	6.048	6.102	6.156	6.210	6.264	6.318	6.372	6.426	6.48	5.4
5.5	6.05	6.105	6.160	6.215	6.325	6.380	6.435	6.490	6.545	6.60	6.66	5.5

RELATIVE VALUE TABLE.

PRICE OF MILK PER 100 POUNDS, IN CENTS.

TEST.	PRICE OF MILK PER 100 POUNDS, IN CENTS.	
TEST.	52	53
3.0	3.0	3.1
3.1	3.1	3.2
3.2	3.2	3.3
3.3	3.3	3.4
3.4	3.4	3.5
3.5	3.5	3.6
3.6	3.6	3.7
3.7	3.7	3.8
3.8	3.8	3.9
39	39	40
40	41	42
41	42	43
42	43	44
43	44	45
44	45	46
45	46	47
46	47	48
47	48	49
48	49	50
49	50	51
50	51	52
51	52	53
52	53	54
53	54	55
54	55	56
55	56	57
56	57	58
57	58	59
58	59	60
59	60	61
60	61	62
61	62	63
62	63	64
63	64	65
64	65	66
65	66	67
66	67	68
67	68	69
68	69	70
69	70	71
70	71	72
71	72	73
72	73	74
73	74	75
74	75	76
75	76	77
76	77	78
77	78	79
78	79	80
79	80	81
80	81	82
81	82	83
82	83	84
83	84	85
84	85	86
85	86	87
86	87	88
87	88	89
88	89	90
89	90	91
90	91	92
91	92	93
92	93	94
93	94	95
94	95	96
95	96	97
96	97	98
97	98	99
98	99	100
99	100	101

RELATIVE VALUE TABLE.

TEST.	PRICE OF MILK PER 100 POUNDS, IN CENTS.									
	1	2	3	4	5	6	7	8	9	10
1	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
2	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
3	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1
4	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2
5	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3
6	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4
7	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5
8	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6
9	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7
10	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8
11	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
12	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
13	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1
14	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
15	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3
16	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4
17	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5
18	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6
19	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
20	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8
21	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9
22	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0
23	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1
24	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2
25	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3
26	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4
27	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5
28	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6
29	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7
30	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8
31	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9
32	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0
33	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1
34	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2
35	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3
36	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4
37	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
38	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6
39	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7
40	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8
41	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
42	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
43	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1
44	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2
45	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3
46	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
47	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5
48	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6
49	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7
50	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
51	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
52	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0
53	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1
54	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2
55	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3
56	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4
57	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5
58	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6
59	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7
60	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8
61	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9
62	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
63	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1
64	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2
65	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3
66	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4
67	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5
68	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6
69	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7
70	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8
71	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9
72	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0
73	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1
74	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2
75	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3
76	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4
77	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5
78	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6
79	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7
80	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8
81	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
82	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0
83	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1
84	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2
85	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3
86	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4
87	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5
88	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6
89	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7
90	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8
91	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9
92	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0
93	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1
94	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2
95	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3
96	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4
97	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5
98	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6
99	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7
100	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8
101	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9
102	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0
103	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1
104	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2
105	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3
106	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4
107	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5
108	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6
109	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7
110	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8
111	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9
112	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0
113	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1
114	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2
115	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3
116	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4
117	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5
118	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6
119	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7
120	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8
121	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9
122	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0
123	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1
124	15.3	15.4	15.5	15.6	15.7	15.8	15.9			

RELATIVE VALUE TABLE.

PRICE OF MILK PER 100 POUNDS, IN CENTS.

TEST. 3.0 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9 4.0 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 5.0 5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.8 5.9

68	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	12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